



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.

*** **



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

UMTRI-88-1
VERSION 03

UM-NAB-007
1990 NISSAN INFINITI Q-45

In-depth Vehicle Occupant Report

The University
of Michigan
Transportation
Research Institute

UMIVOR—UMIVOR—UMIVOR



DISCLAIMERS

This document is disseminated under the sponsorship of the Department of Transportation in the interest of information exchange. The United States Government assumes no responsibility for the contents or use thereof.

The opinions, findings, and conclusions expressed in this publication are those of the authors and not necessarily those of the National Highway Traffic Safety Administration.

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-007

Case Veh. (A): 1990 Nissan
Type: Infiniti Q-45, 4-Dr. Sedan
Driver: 47-yrs., Male
CDC: 12-FYEW-01

Veh. (B): 1978 Nissan
Type: Pickup Truck
Driver: Unknown
CDC: 99-0000-99

Accident Notification Number 32 was received from [REDACTED] at [REDACTED] Infiniti on [REDACTED] 1990. [REDACTED] traveled to [REDACTED] Illinois on [REDACTED] 1990, to inspect this Infiniti Q-45.

Situation

(Slide 1) On [REDACTED] 1990, at about [REDACTED] hours the Q-45 (case vehicle A) was traveling northbound on [REDACTED] Highway, (Slide 2) a 4-lane divided highway in [REDACTED]. The driver estimated his speed at about 40 kmph. As he was exiting onto the [REDACTED] Street exit ramp, he lost control of the Q-45 on the wet pavement. The Q-45 spun around 180° and was facing southbound. Vehicle B (a Nissan pickup truck) was also on the [REDACTED] Street exit ramp. The pickup truck was unable to stop, striking head-on with the Q-45.

Exterior Damage

(Slide 3) Damage was very minor to the front of the Q-45 where the maximum crush was about 17 cm. (Slide 4) This crushed the left and center area of the front bumper, the left headlight was cracked. The hood was slightly deformed. There was no damage to the hood latch or hood hinges. In addition, the rear edge of the hood was not elevated. (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 damage to the right side and no change in the right wheelbase.

Occupant Kinematics

The male driver was wearing the 3-point restraint. (Slide 8) In addition, the Q-45 is equipped with an airbag which deployed. On impact he moved forward against the deployed airbag. Both knees appeared to strike the undamaged lower instrument panel.

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) There was no damage to the lower instrument panel, however; the driver sustained a contused right knee from contacting it. (Slide 13) The steering wheel did not appear to be deformed and there was no lateral or vertical rotation of the steering column. In that the lower panel was not damaged the energy absorbing device could not be viewed.

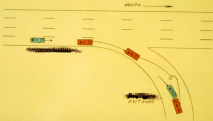
We were unable to obtain permission to remove the interior components, therefore we could not test the airbag system with the diagnostic computer system.

Occupant Injuries

The male driver sustained the injuries shown in the attached table and slide 14.

CASE NO.: UM 9001-007
CASE VEH. (A): 1990 NISSAN
TYPE: INFINITI Q-45, 4-DR. SEDAN
DRIVER: 47-YRS. MALE
VEH. (B): NISSAN PICKUP TRUCK

DATE / TIME: 08/24/91 2030 HRS.
WEATHER: CLEAR
ROAD SURFACE: WET
ROAD CONSTRUCTION: ASPHALT





UM 9001 #2



UM9001 #3



UM 9001 #4



UM9001 #5



UM 9001 #6



UM 9001 #7



UM 9001 #8



UM9001 #9



UM9001 #10



UM9001 #11



UM9001 #12



UM9001 #13

CASE NO.: UM9001

OCCUPANT: Driver's Area, Male

CRASH VEHICLE: 1990 Nissan

STATURE: 183 cm MASS: 81 kg

TYPE: Inflated Seat, Air, Belt

RESTRAINTS: Airbag Deployed
3-Point Restraint Worn

SEVERITY: MAIS - 1 ISS - 1



Occupant: Driver

Age: 47-yrs.

Sex: Male

Restraints: Airbag Deployed & 3-Point Restraint Worn

Stature 183 cm

Mass: 91 kg

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Lip Contusion and Swollen	1	Airbag		
Contusion Right Knee	1	Lower Instrument Panel		
<u>Maximum A.I.S. Level</u>	<u>1</u>			
<u>Injury Severity Score</u>	<u>1</u>			

TEAM CODE 30
 ACCIDENT ID NA007
 VEHICLE NUMBER 1
 MODULE A D
 FORMAT 0 1
 FORM VERSION 0 3

NO. OF CASE VEHICLES IN ACCIDENT 1
 NUMBER OF SLIDES 14
 TEAM REPORT NUMBER

U	M	-	N	A	B	-	0	0	7
15									27
25									37

DATE OF FIELD INVESTIGATION: [REDACTED] / 90
mm dd yy

INVESTIGATOR: [REDACTED]

LOCATION WHERE VEHICLE WAS EVALUATED:
INFINITI
[REDACTED] ILLINOIS

CIRCLE PHOTO RECORDS MADE:

SLIDES

NEGATIVES

POLAROIDS

REPORT PREPARED BY: [REDACTED]

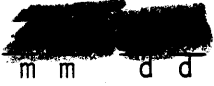
Duplicate columns 1-8 from the previous card.

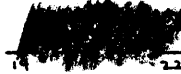
Module $\frac{G}{9} \frac{I}{10}$

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)

LOCATION

STATE: ILLINOIS

STATE FIPS CODE 17
23

AREA 1
25

(1) URBAN
 (2) RURAL
 (9) UNKNOWN

ENVIRONMENTAL CONDITIONS

LIMITED-ACCESS HIGHWAY 1
26

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

ROAD, TOTAL TRAFFIC LANES (FOR CASE VEHICLE) 2
27

(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

INTERSECTING RD, TOTAL LANES 8
28

CHOOSE FROM THE ABOVE LIST, OR
 (8) NOT APPLICABLE

TYPE OF ROAD SURFACE 1
29

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

ROAD DEFECTS 0
30

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

ENVIRONMENTAL CONDITIONS

CONSTRUCTION ZONE 0
31

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

RD ALIGNMENT, VERTICAL PLANE 1
32

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

RD ALIGNMENT, HORIZONTAL PLANE 2
33

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

SURFACE COVERING 29
34

(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

VISIBILITY LIMITATION (FOR CASE VEHICLE) 0
35

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

VISIBILITY OBSTRUCTION (FOR CASE VEHICLE) 0
37

(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

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

6
38

0
44

*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
39

8
40

9
41

9
42

6
43

GENERAL INFORMATION GI-3

CRASH DETAILS

CASE VEHICLE AND OBJECT

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

0
45

CASE VEHICLE ROLLOVER

- (0) NO ROLLOVER
- (1) YES, FIRST EVENT
- (2) YES, SUBSEQUENT EVENT
- (3) YES, SEQUENCE UNKNOWN
- (9) UNKNOWN

0
46

CASE VEHICLE RAN OFF ROADWAY
(BEFORE FIRST IMPACT)

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

0
47

MOVING CASE VEHICLE AND CONTACTED MOVING VEHICLE

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

1
48

CASE VEHICLE AND CONTACTED STOPPED VEHICLE

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

0
49

STOPPED CASE VEHICLE AND CONTACTED VEHICLE

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

0
50

TOTAL NUMBER OF VEHICLES CONTACTED BY CASE VEHICLE IN CRASH

- (8) 8 OR MORE
- (9) UNKNOWN

1
51

ANY FIRE IN THIS CRASH
(NOT JUST CASE VEHICLE)

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

0
52

HIGHEST POLICE INJURY SEVERITY CODE IN CRASH
(NOT JUST CASE VEHICLE)

- (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

7
53

DRIVER IMPAIRMENT

DRIVER ALCOHOL INVOLVEMENT
(CASE VEHICLE)

- (0) NONE
- (1) YES
- (9) UNKNOWN/NOT REPORTED/NO DRIVER

9
54

DRIVER ALCOHOL BAC
(CASE VEHICLE)

- (80) NO TEST
- (90) CHEMICAL TESTS, NO RESULTS
- (95) AUTOPSY, NO RESULTS
- (99) UNKNOWN

99
55

WAS THERE MENTION OF DRIVER IMPAIRMENT FOR CASE VEHICLE

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

9
57

LIST IMPAIRMENTS MENTIONED:

POST-CRASH DETAIL

MANNER CASE VEHICLE LEFT SCENE

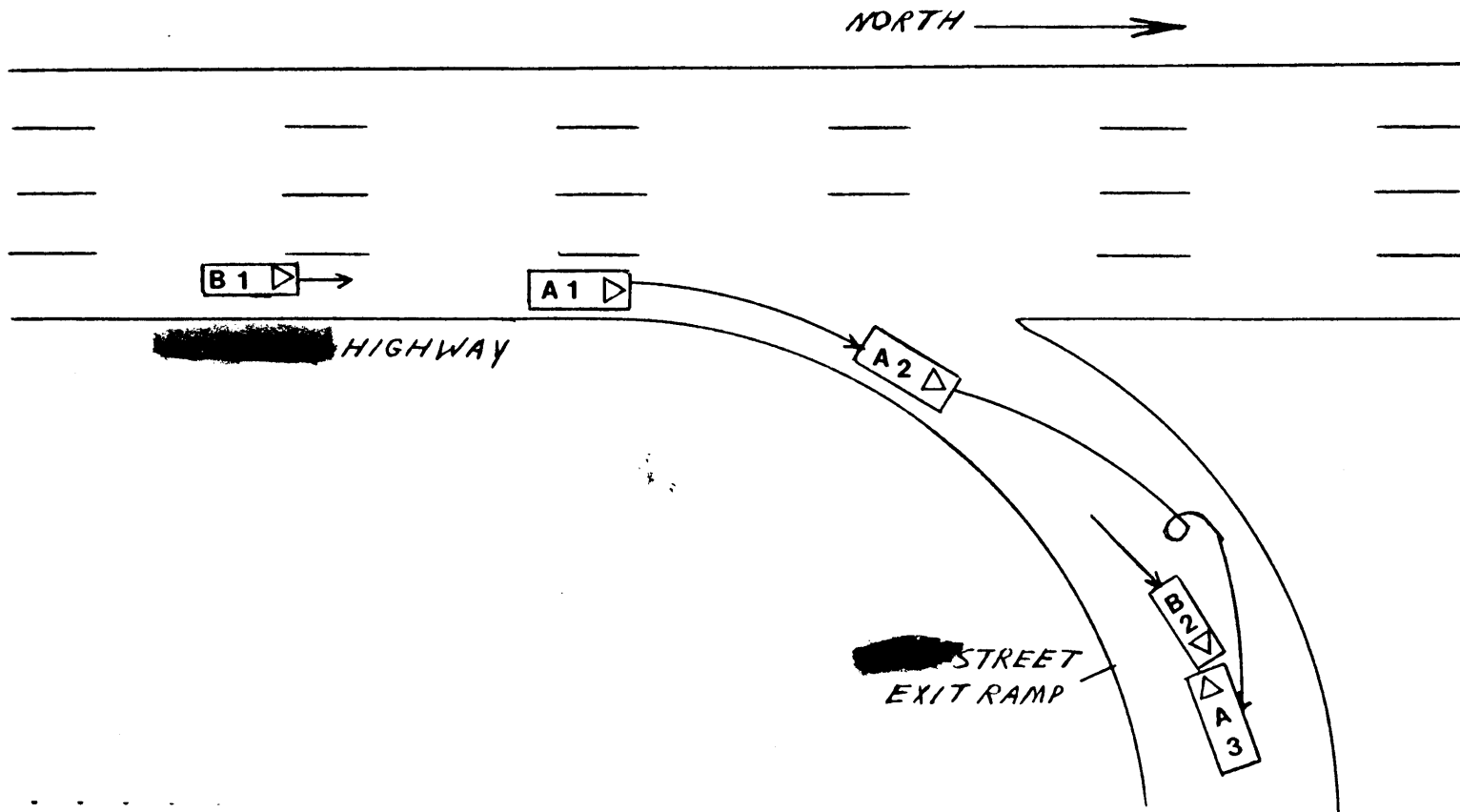
- (1) DRIVEN
- (2) TOWED DUE TO DAMAGE
- (3) TOWED, NOT DUE TO DAMAGE
- (4) TOWED, REASON UNKNOWN
- (9) UNKNOWN

2
58

ACCIDENT SCHEMATIC

ACCIDENT DESCRIPTION: As case vehicle A (Q-45)
was exiting onto the [REDACTED] STREET RAMP
he lost control of the car and spun
around 180°. Vehicle B (Nissan Truck) was also exiting on the
ramp and was unable to stop before striking head-on with
the Q-45.

CASE VEHICLE (A): 1990 NISSAN INFINITI
 OTHER VEHICLE (B): 1979 NISSAN PICKUP TRUCK
 THIRD VEHICLE (C): -



MAKE: NISSAN

NO. OF CYLINDERS OR ROTORS: _____

MODEL: PICKUP TRUCK

CARGO: _____

VIN

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

MANUFAC/BODY CODE



MAKE/MODEL CODE

9999

MODEL YEAR

1978

VEHICLE MASS (kg)

999999

IF SEPARATE REPORT WAS MADE, GIVE VEHICLE NUMBER

—

NUMBER OF OCCUPANTS

99

(ENTER 9'S IF UNKNOWN)

TRAVELING SPEED (km/h)

999

- (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

12
55

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. SCHOOLBUS)
- (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-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (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 (CAR)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cr)

(999) UNKNOWN

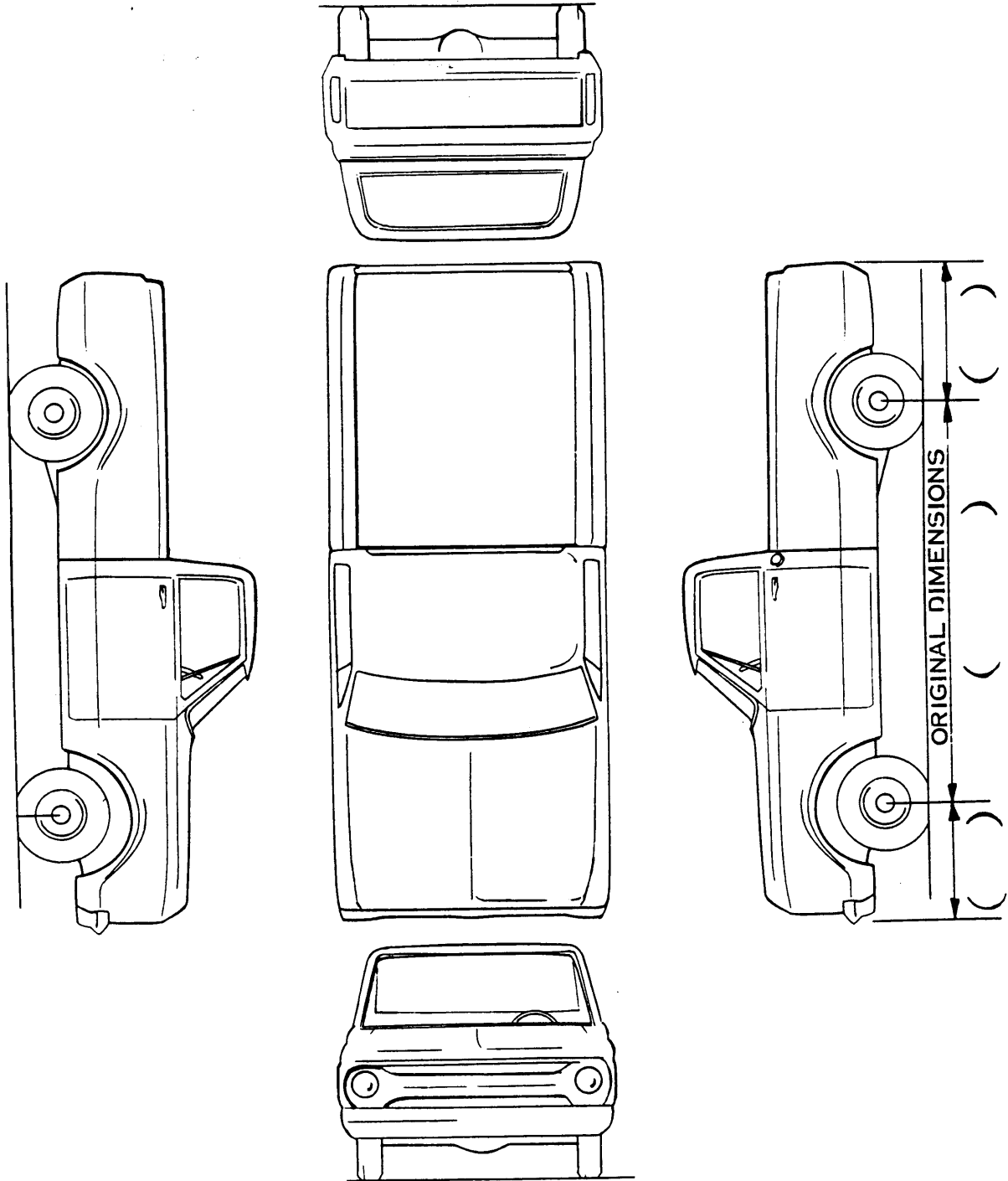
999
56 58

HIGHEST POLICE INJURY SEVERITY CODE FOR THIS VEHICLE

- (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 IMPACT
- (7) NON-FATAL INJURY, SEVERITY UNKNOWN
- (8) UNOCCUPIED VEHICLE (NOT APPLICABLE)
- (9) UNKNOWN

9
53

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 INFINITI
 MODEL: Q45

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) 004062
 (ENTER 9'S IF UNKNOWN)
 (ENTER 8'S IF ELECTRONIC)

NUMBER OF OCCUPANTS 01
 (ENTER 9'S IF UNKNOWN)

TRAVELING SPEED (km/h) 040
 (000) PARKED OR STOPPED
 (996) BACKING UP
 (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
 (998) SPEED EXCESSIVE (BUT UNKNOWN)
 (999) UNKNOWN
 (995) JUST STARTING UP

STOLEN VEHICLE

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

0
53

BODY STRUCTURE

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

3
54

TRANSMISSION

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

1
60

LOCATION OF TRANSMISSION SELECTION LEVER

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

2
61

STEERING

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

1
62

BRAKES

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

1
63

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
64

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

$\frac{3}{57}$

WHEELBASE (cm)

$\frac{288}{72 \quad 74}$

BRAKE ANTI-LOCK DEVICE

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

$\frac{7}{65}$

PLASTIC ANTI-LACERATIVE
INNER LAYER GLASS EQUIPPED

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

$\frac{0}{76}$

AIR CONDITIONING IN VEHICLE

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

$\frac{1}{66}$

TYPE OF DRIVE

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

$\frac{1}{67}$

DUAL REAR WHEELS

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

$\frac{0}{65}$

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

$\frac{3}{67}$

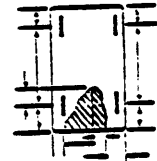
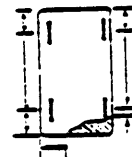
EQUIPPED WITH ROLL BAR

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

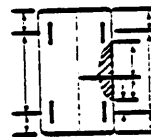
$\frac{0}{70}$

EXAMPLES:

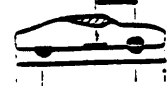
FRONT OR REAR



SIDE



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

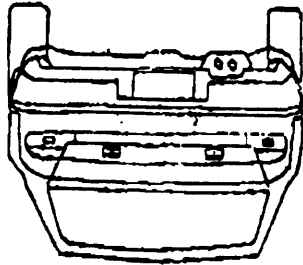


TYPE OF ROOF

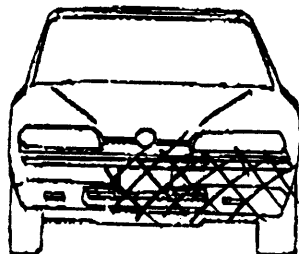
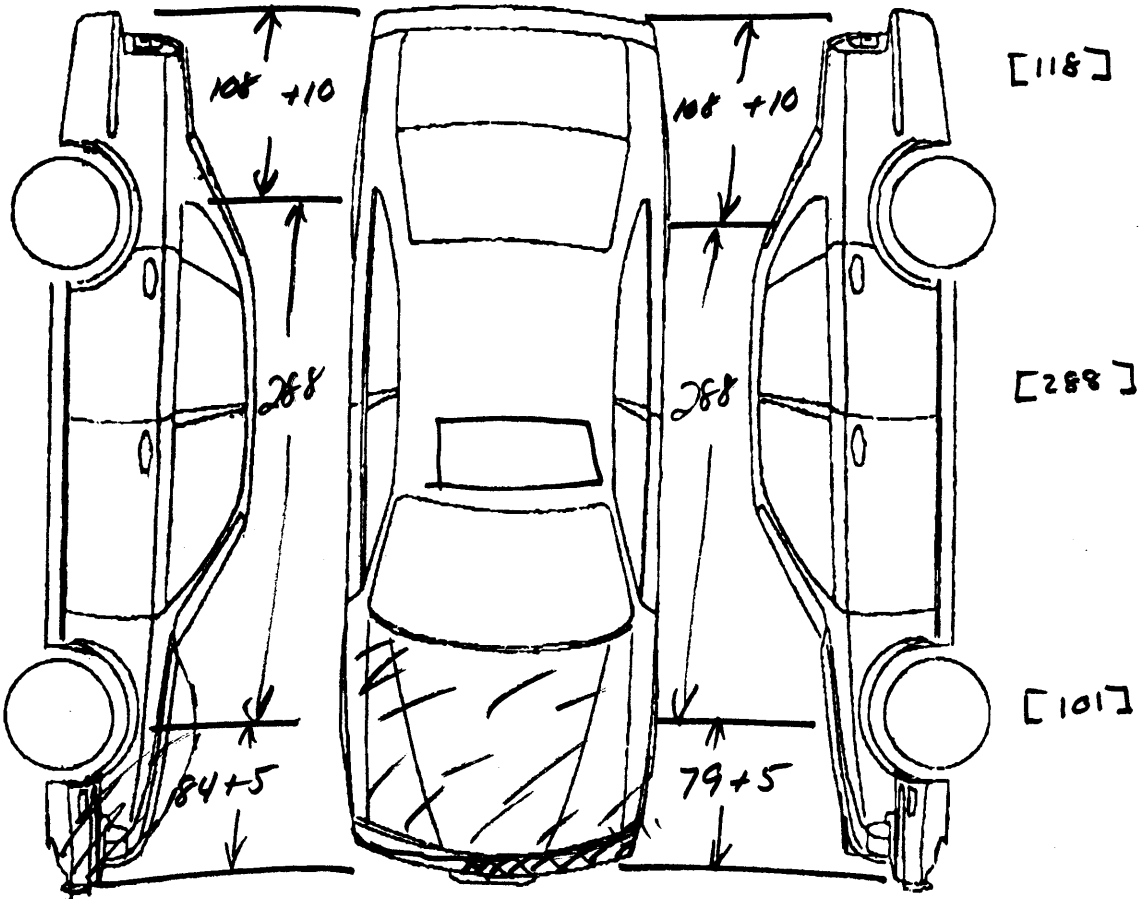
- (0) NONE
- (1) SOLID
- (2) T-TOP CLOSED
- (3) T-TOP OPEN
- (4) SUN ROOF CLOSED
- (5) SUN ROOF OPEN
- (6) CONVERTIBLE CLOSED
- (7) CONVERTIBLE OPEN
- (8) OTHER:
- (9) UNKNOWN

$\frac{4}{71}$

FIELD INVESTIGATOR WORK PAGE



Q45



Duplicate columns 1-8 from the previous card.

Module $\frac{D}{9} \frac{A}{10}$

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)	$\frac{017}{18 \quad 20}$	$\frac{999}{39 \quad 41}$
CDC #1	$\frac{12-FYEW-1}{21 \quad 27}$	$\frac{99-0000-0}{42 \quad 48}$
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 $\frac{D}{9} \frac{A}{10}$

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)	$\frac{\quad}{14 \quad 16}$	$\frac{\quad}{35 \quad 37}$
ESTIMATED BY	$\frac{\quad}{17}$	$\frac{\quad}{38}$
CRUSH (cm)	$\frac{\quad}{18 \quad 20}$	$\frac{\quad}{39 \quad 41}$
CDC #1	$\frac{\quad}{21 \quad 27}$	$\frac{\quad}{42 \quad 48}$
CDC #2 (USED WHEN 4TH LETTER-CODE IN CDC #1 IS "X".)	$\frac{\quad}{28 \quad 34}$	$\frac{\quad}{49 \quad 55}$

CODES

EVENT NUMBER

- (8) NOT APPLICABLE
- (9) UNKNOWN

IMPACT SPEED

- (998) NOT APPLICABLE
- (999) UNKNOWN

IMPACT SPEED ESTIMATOR

- (1) INVESTIGATOR
- (2) DRIVER
- (3) POLICE
- (4) "CRASH" PROGRAM
- (7) OTHER:
- (8) NOT APPLICABLE
(NO VEHICLE/NO IMPACT)

CRUSH

- (998) NOT APPLICABLE
(NO VEHICLE/NO DAMAGE)
- (999) UNKNOWN

CDC

- (980000) NOT APPLICABLE
- (990000) UNKNOWN

MAXIMUM SHEET METAL CRUSH
(cm) (999) UNKNOWN

FRONT	$\frac{0}{13} \frac{17}{15}$	RIGHT SIDE	$\frac{0}{16} \frac{00}{18}$
REAR	$\frac{000}{14} \frac{21}{21}$	LEFT SIDE	$\frac{00}{22} \frac{0}{24}$
ROOF	$\frac{000}{25} \frac{27}{27}$	OTHER	$\frac{00}{28} \frac{0}{30}$

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	$\frac{1}{32}$	$\frac{1}{34} \frac{1}{34}$	$\frac{20}{36}$
#2	$\frac{37}{37}$	$\frac{39}{39}$	$\frac{41}{41}$
#3	$\frac{42}{42}$	$\frac{44}{44}$	$\frac{46}{46}$
#4	$\frac{47}{47}$	$\frac{49}{49}$	$\frac{51}{51}$
#5	$\frac{52}{52}$	$\frac{54}{54}$	$\frac{56}{56}$
#6	$\frac{57}{57}$	$\frac{59}{59}$	$\frac{61}{61}$
#7	$\frac{62}{62}$	$\frac{64}{64}$	$\frac{66}{66}$

CODES FOR
IMPACT CONFIGURATION

FRONT 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) SIDSWIPED 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) SIDSWIPED 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

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"-99.9")
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-IN)
- (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

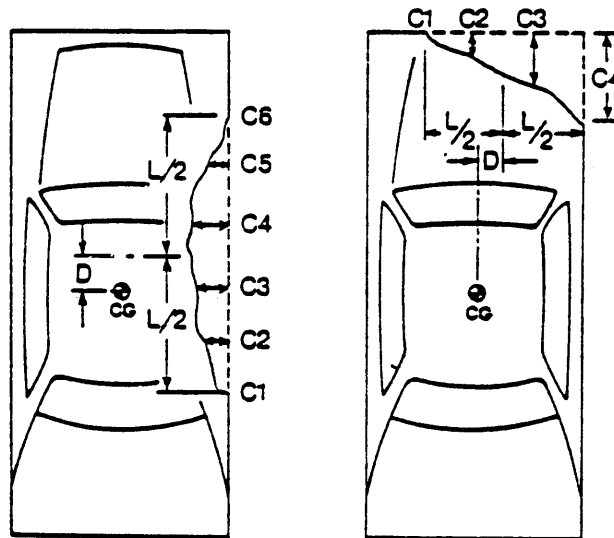
- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY 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_6 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	$\frac{1}{13}$		$\frac{47}{}$	
ΔV (km/h) TOTAL	$\frac{9}{14} \text{ --- } \frac{16}{}$	$\frac{9}{32} \text{ --- } \frac{34}{}$	$\frac{48}{} \text{ --- } \frac{50}{}$	$\frac{66}{} \text{ --- } \frac{66}{}$
LONGITUDINAL*	$\frac{9}{17} \text{ --- } \frac{20}{}$	$\frac{9}{35} \text{ --- } \frac{35}{}$	$\frac{51}{} \text{ --- } \frac{61}{}$	$\frac{67}{} \text{ --- } \frac{72}{}$
LATERAL*	$\frac{9}{21} \text{ --- } \frac{24}{}$	$\frac{9}{34} \text{ --- } \frac{42}{}$	$\frac{53}{} \text{ --- } \frac{53}{}$	$\frac{73}{} \text{ --- } \frac{76}{}$
*NOTE: THESE ΔV COMPONENTS MUST INCLUDE SIGN.				
EXAMPLES: 20km/h = + 0 2 0				
-7km/h = - 0 0 7				
ENERGY DISSIPATED BY CRUSH (kj)	$\frac{9}{25} \text{ --- } \frac{28}{}$	$\frac{9}{43} \text{ --- } \frac{76}{}$	$\frac{54}{} \text{ --- } \frac{62}{}$	$\frac{77}{} \text{ --- } \frac{80}{}$
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	$\frac{5}{31}$		$\frac{65}{}$	
MODE				
(1) CDC ONLY				
(2) CDC & DETAILED DAMAGE				
(3) TRAJECTORY & CDC				
(4) TRAJECTORY & CDC & DETAILED DAMAGE				
(5) NOT RECONSTRUCTED				
(6) POLES PROGRAM				
(7) OLDMIS PROGRAM				

Duplicate columns 1-8 from the previous card. Module $\frac{W}{4}$ $\frac{T}{10}$ Format $\frac{0}{11}$ $\frac{1}{12}$

WHEELS AND TIRES WT-1

WHEELS--DAMAGED

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

LF

RF

RR

LR

0
13
0
16

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

LF

RF

RR

LR

P 215 65 R 15
25
35
45
55

TIRE TREAD TYPE

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

LF

RF

RR

LR

4
17
9
4
4
20

BRAND (WRITE NAME.)

LF

RF

RR

LR

[REDACTED]

CARCASS CONSTRUCTION

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

LF

RF

RR

LR

3
21
3
3
3
24

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

NOTES: _____

Duplicate columns 1-8 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>$\frac{1}{13}$</p>	<p>AUXILIARY TANK TYPE</p> <p>(1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN</p>	<p>$\frac{8}{21}$</p>
<p>MAIN TANK LOCATION</p>	<p>$\frac{3}{14}$ $\frac{22}{16}$</p>	<p>AUXILIARY TANK LOCATION</p>	<p>$\frac{888}{22 \quad 24}$</p>
<p>MAIN FILLER CAP LOCATION</p>	<p>$\frac{233}{17 \quad 19}$</p>	<p>AUXILIARY FILLER CAP LOCATION</p>	<p>$\frac{888}{25 \quad 27}$</p>
<p>MAIN TANK MATERIAL</p>	<p>$\frac{1}{20}$</p>	<p>AUXILIARY TANK MATERIAL</p>	<p>$\frac{8}{28}$</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 $\frac{F}{9}$ $\frac{L}{10}$ Format $\frac{0}{11}$ $\frac{1}{12}$

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>30</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) EEC 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 F R
9 10 Format 0 1
11 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE

- (0) NO SKIP 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 $\frac{E}{9} \frac{D}{10}$

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 $\frac{0}{13}$

-DAMAGED $\frac{0}{14}$

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

HOOD HINGES- -LEFT, DAMAGED $\frac{0}{16}$

-LEFT, SEPARATED (COMPLETE) $\frac{8}{17}$

-RIGHT, DAMAGED $\frac{0}{18}$

-RIGHT, SEPARATED (COMPLETE) $\frac{8}{19}$

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

REAR EDGE OF HOOD- -ELEVATED $\frac{0}{21}$

-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

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

EXTERIOR DAMAGE ED-3

LEFT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE

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

0
34

LEFT PILLARS *

PILLARS SEPARATED COMPLETELY-

USE CODES:

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

-A-PILLAR, UPPER

0
35

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

8
42

*

(CIRCLE RESPONSE IF DAMAGED)

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

0
43

-REAR

0
44

DOORS JAMMED CLOSED-

USE CODES:

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

-FRONT

0
45

-REAR

0
46

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
48

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
49

OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA DAMAGED DURING COLLISION

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

0
50

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
51

TRAILER HITCH TYPE

- (0) NO HITCH

0
52

BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. PENTAL CLAMP-ON)
- (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
- (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)
- (4) LOAD EQUALIZING

OTHER TYPES

- (5) RING-AND-PINTLE
- (6) FIFTH-WHEEL (INCL. P/U)
- (7) OTHER (E.G. CLEVIS-AND-PIN)

- (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
53

RIGHT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE

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

0
54

RIGHT PILLARS *

PILLARS SEPARATED COMPLETELY-

USE CODES

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

-A-PILLAR, UPPER

0
55

LOWER

0
56

-B-PILLAR, UPPER

0
57

LOWER

0
58

-C-PILLAR, UPPER

0
59

LOWER

0
60

-D-PILLAR, UPPER

0
61

LOWER

0
62

*
(CIRCLE RESPONSE IF DAMAGED)

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
(ANT. MECHANISM)

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

-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

AIRBAG SUPPLEMENT AB-1

AIRBAG SYSTEM DAMAGE

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

AIRBAG MODULE 0
 SENSORS: Left 9
 Right 9

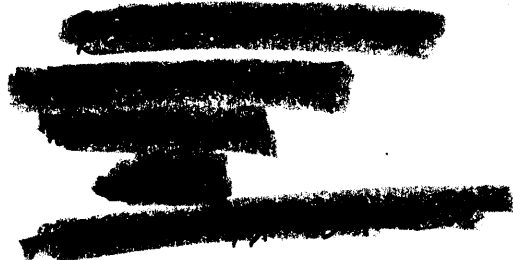
CONDITION OF DEPLOYED BAG

- (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

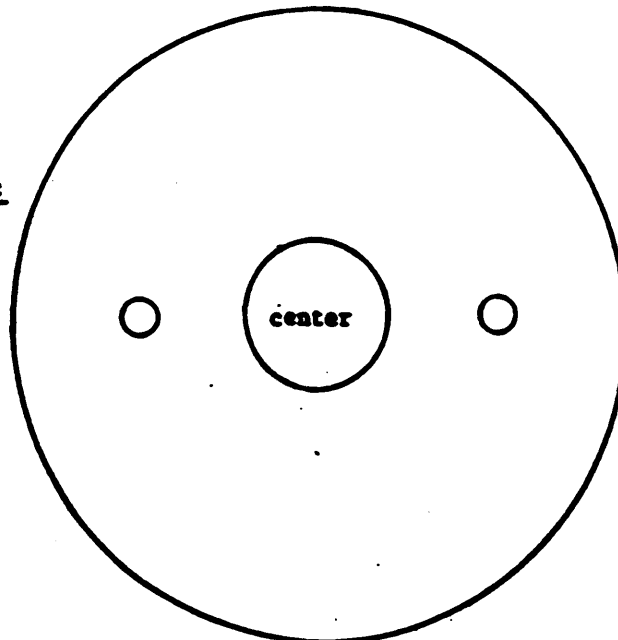
AIRBAG NUMBER:



NOTE DAMAGE AND CONTACT MARKS ON AIRBAG DIAGRAM BELOW:

DESCRIBE ANY AIRBAG CONTACT OR DAMAGE:

NONE



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

0
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 *electric*

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

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

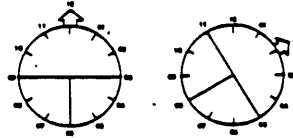
1
18

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



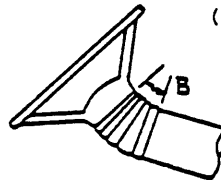
(99) UNKNOWN

03

STEERING WHL ENERGY ABSORBING DEVICE

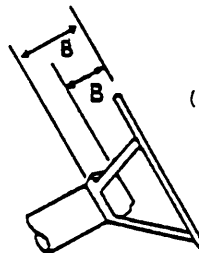
(1) EXAMPLES:

- BARRACUDA, 75-76
- CHALLENGER, 79-74
- CASPER, 72-77



(2) EXAMPLES:

- OMI, 78-
- SCORPION, 78-



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 COL ENERGY ABSORBING DEVICE

TYPE OF DEVICE * (IF 27 OR 28)

- (00) NOT EQUIPPED
- (99) UNKNOWN

ORIGINAL LENGTH (mm)

C: _____

COMPRESSED LENGTH (mm)

D: _____

BRACKET DEFLECTION (IF CODED 36, 48, OR 49 ABOVE)
OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE: ±10)

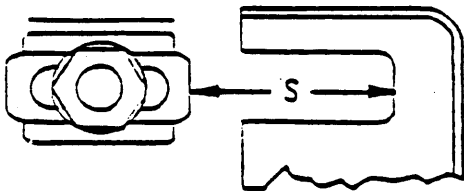
- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO BE MEASURED
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

* (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

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

62
23

997
25 27

997
28 30

0
31

0
32

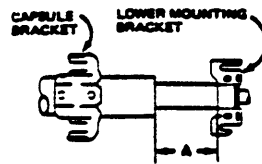
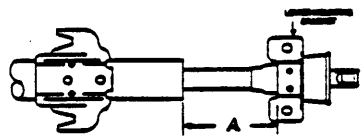
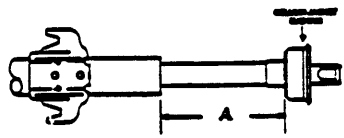
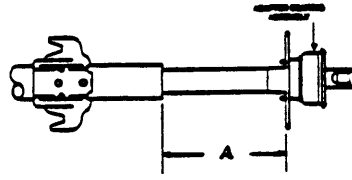
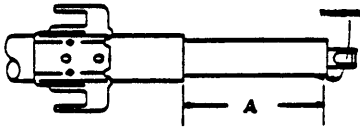
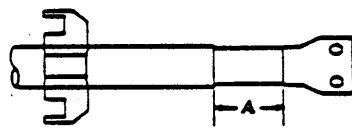

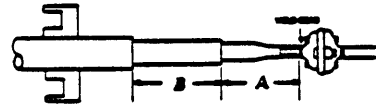
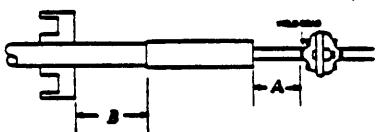
COLUMN DEVICE TYPES

GM

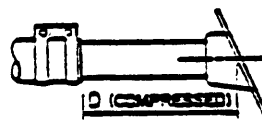
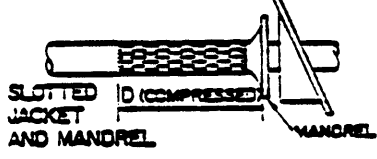
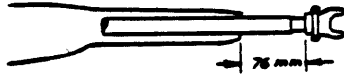
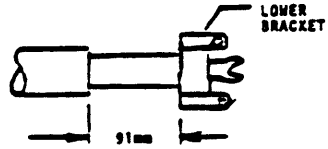
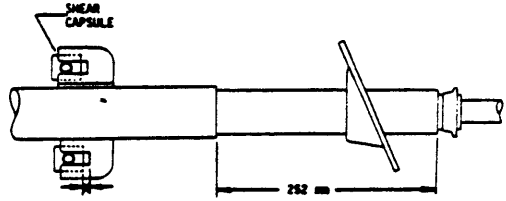
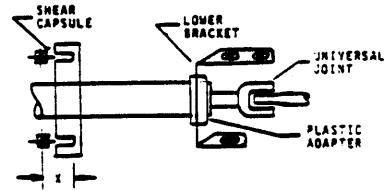
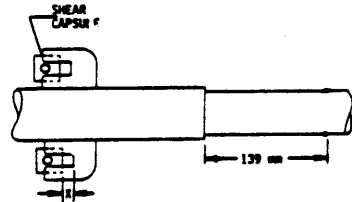
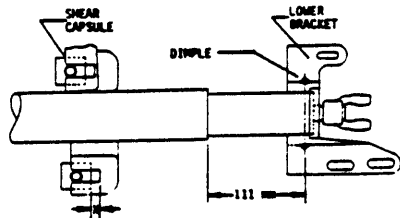
- (11) MESH
D (COMPRESSED)
- (12) BALL (STANDARD)
D (COMPRESSED)
THUMB NAIL
TOE PLATE
- (13) BALL (TOE PLATE)
D (COMPRESSED)
TOE PLATE
- (14) BALL (SMALL CAR)
D (COMPRESSED)
THUMB NAIL
- (15) CAPSULE BRACKET
A
LOWER MOUNTING BRACKET TO DASH
- (16) CAPSULE BRACKET
A
TOE PLATE
- (17) CAPSULE BRACKET
A
WELD BEAM
- (18) CAPSULE BRACKET
BRACKET
CLEAR PLASTIC BOOT
BLACK PLASTIC CONE
OR
- (19) CAPSULE BRACKET
A
WELD BEAM

COLUMN DEVICE TYPES

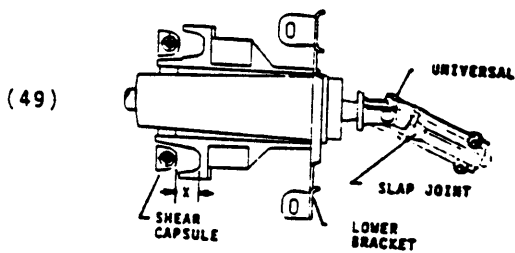
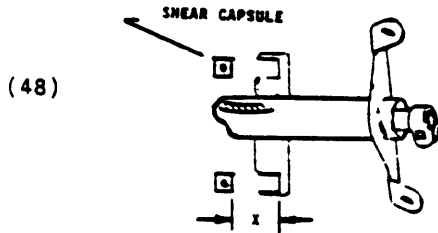
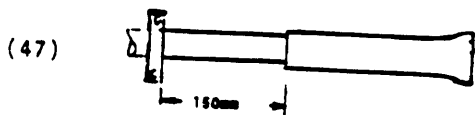
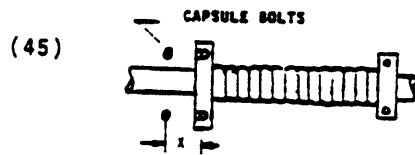
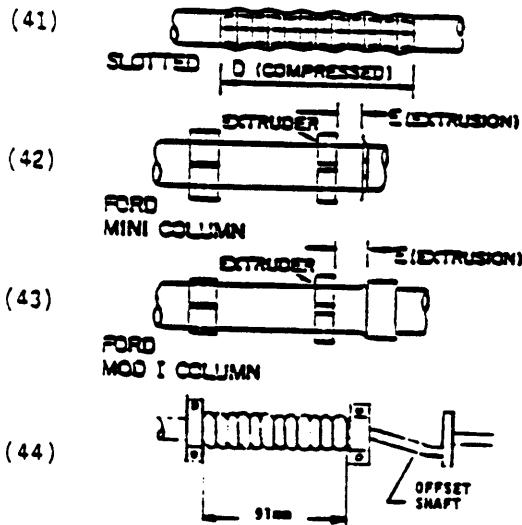
GM (CONT.)

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

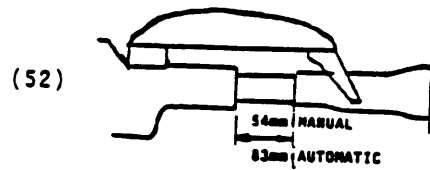
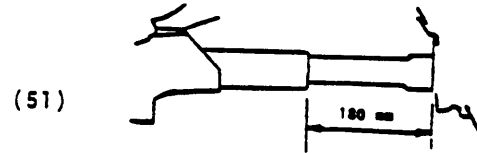
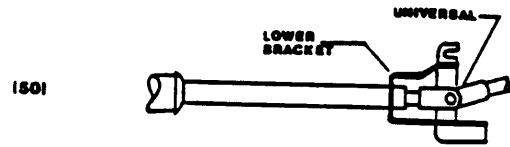
CHRYSLER

- (31) 
- (32) 
- (33) 
- COLT HATCHBACK
- (34) 
- BALL-TILT
- (35) 
- (36) 
- (37) 
- (38) 

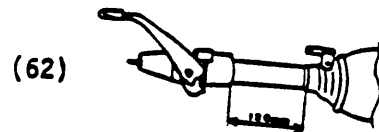
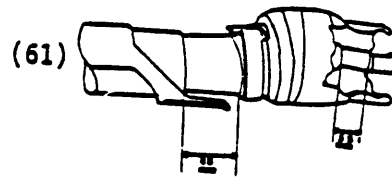
FORD



TOYOTA



NISSAN



INTRUSION IT-1

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 & AISLE SPACE 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 46 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 0

WAS INTRUSION CATASTROPHIC 14

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

- (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

Duplicate columns 1-12 for each line.

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)	MEASUREMENT 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>	---	---	---	---	---	---	---	---	---

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>18</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
B	<u>26</u>	---	<u>29</u>	(1) A-PILLAR
C	<u>30</u>	---	<u>33</u>	(2) B-PILLAR
D	<u>34</u>	---	<u>37</u>	(3) C-PILLAR
				(4) LATCH/STRIKER
				(5) HINGES
				(7) OTHER: _____
				(8) NOT APPLICABLE
				(9) UNKNOWN

Duplicate columns 1-8 from the previous card.

Module $\frac{1}{9} \frac{7}{10}$ Format $\frac{0}{11} \frac{2}{12}$

BEST AVAILABLE COPY

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

INTRUSION IT-4

— 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	B	C	D	E	F	G	H	I	J
INTRUSION NUMBER	OCCUPANT SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION (cm)	MEASUREMENT 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
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 1-8 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 CIRCLED RESPONSE.

	LEFT	RIGHT	FRONT		INSTRUMENT PANEL	
SIDES						
FRONT DOOR	$\frac{0}{13}$	$\frac{0}{14}$	FRONT	$\frac{0}{45}$	INSTRUMENT PANEL	$\frac{0}{55}$
FRONT DOOR AREA	$\frac{0}{15}$	$\frac{0}{16}$	FRONT DOOR	$\frac{0}{46}$	UPPER PANEL	$\frac{0}{56}$
FRONT HARDWARE	$\frac{0}{17}$	$\frac{0}{18}$	IGNITION KEYS	$\frac{0}{47}$	MID PANEL	$\frac{0}{57}$
FRONT ARMREST	$\frac{0}{19}$	$\frac{0}{20}$	REAR VIEW MIRROR	$\frac{0}{48}$	LOWER PANEL	$\frac{0}{58}$
FRONT GLASS	$\frac{0}{21}$	$\frac{0}{22}$	SUNVISOR/FITTINGS	$\frac{0}{49}$	ASHTRAY	$\frac{0}{59}$
REAR DOOR AREA	$\frac{0}{23}$	$\frac{0}{24}$	WINDSHIELD TOP MOLDINGS	$\frac{0}{50}$	CONTROL KNOBS & LEVERS	$\frac{0}{60}$
REAR HARDWARE	$\frac{0}{25}$	$\frac{0}{26}$	LEFT A-PILLAR (UPPER OR LOWER)	$\frac{0}{51}$	GLOVE COMPARTMENT AREA	$\frac{0}{61}$
REAR ARMREST	$\frac{0}{27}$	$\frac{0}{28}$	RIGHT A-PILLAR (UPPER OR LOWER)	$\frac{0}{52}$	INSTRUMENTS	$\frac{0}{62}$
REAR GLASS	$\frac{0}{29}$	$\frac{0}{30}$	CONSOLE	$\frac{0}{53}$	PARKING BRAKE RELEASE	$\frac{0}{63}$
ROOF SIDE RAIL	$\frac{0}{31}$	$\frac{0}{32}$	TRANSMISSION SELECTOR LEVER	$\frac{0}{54}$	PARKING BRAKE PEDAL	$\frac{0}{64}$
B-PILLAR	$\frac{0}{33}$	$\frac{0}{34}$	HORN, SPOKE SHROUD		A/C OR UPPER VENT OUTLETS	$\frac{0}{65}$
C-PILLAR	$\frac{0}{35}$	$\frac{0}{36}$			HEATER OR A/C DUCTS	$\frac{0}{66}$
D-PILLAR	$\frac{0}{37}$	$\frac{0}{38}$			RADIO	$\frac{0}{67}$
HEADLINING	$\frac{0}{39}$	$\frac{0}{40}$			OTHER: * _____	
ROOF STRUCTURE	$\frac{0}{41}$	$\frac{0}{42}$			REAR	
T-ROOF/SUN ROOF	$\frac{0}{43}$	$\frac{0}{44}$			BACKLIGHT	
OTHER: * _____					BACKLIGHT HEADER	

* MORE THAN ONE ITEM MAY BE NOTED.

FRONT SEAT	DRIVER	PASSEN'R	FRONT SEAT-BACK (CONT.)	DRIVER	PASSEN'R
TYPE OF FRONT SEAT			SEAT-BACK TYPE		
(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	$\frac{05}{13}$	$\frac{05}{15}$	(1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: <u>113 Electric</u> (8) NOT APPLICABLE (9) UNKNOWN	$\frac{7}{30}$	$\frac{7}{31}$
TYPE OF SEAT MOUNT			SEAT-BACK LOCK TYPE		
(1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	$\frac{1}{17}$	$\frac{1}{18}$	(0) NONE (1) MANUAL (2) INERTIA (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	$\frac{2}{32}$	$\frac{2}{33}$
SWIVEL MECHANISM EQUIPPED			LOCKS HELD		
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	$\frac{0}{14}$	$\frac{0}{16}$	(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	$\frac{8}{34}$	$\frac{8}{35}$
ORIGINAL EQUIPMENT SEATS			RECLINER MECHANISM HELD		
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	$\frac{1}{21}$	$\frac{1}{22}$	(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	$\frac{8}{36}$	$\frac{8}{37}$
CONTACT OF SEAT BY REAR OCCUPANT			HEAD RESTRAINT		
(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	$\frac{8}{23}$	$\frac{8}{24}$	HEAD RESTRAINT TYPE		
FRONT SEAT DAMAGE			(0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN	$\frac{1}{38}$	$\frac{1}{39}$
(0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN	$\frac{0}{25}$	$\frac{0}{26}$	REMOVED PRE-CRASH		
CENTER ARMREST DAMAGED			(0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	$\frac{0}{40}$	$\frac{0}{41}$
(0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED	$\frac{0}{27}$		ADJUSTMENT AT CRASH		
FRONT SEAT-BACK			(1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN	$\frac{2}{42}$	$\frac{2}{43}$
OBVIOUS SEAT-BACK ROTATION			HEAD RESTRAINT DAMAGE		
(0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (8) NOT APPLICABLE (9) UNKNOWN	$\frac{0}{28}$	$\frac{0}{29}$	(0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN	$\frac{0}{44}$	$\frac{0}{45}$

FRONT SEAT ADJUSTMENT

SEAT ADJUSTMENT TYPE

- (0) NONE (RIGID)
- (1) MANUAL
- (2) POWER
- (7) OTHER: _____
- (8) NOT APPLICABLE (NO SEAT)
- (9) UNKNOWN

ADJUSTMENT PROVIDED

- (1) 2-WAY
- (2) 4-WAY
- (3) 6-WAY
- (7) OTHER: _____
- (8) NOT APPLICABLE
- (9) UNKNOWN

SEAT ADJUSTER DAMAGE

- (0) NONE
- (1) CHUCKING (FREE PLAY)
- (2) DEFORMED (RELEASED/JAMMED)
- (3) SEPARATED
- (7) OTHER: _____
- (8) NOT APPLICABLE
- (9) UNKNOWN

SEAT ADJUSTER SEPARATION

- (0) NONE
- (1) SEPARATED AT FLOOR
- (2) SEPARATION OF ADJUSTER
- (3) SEPARATED AT SEAT
- (8) NOT APPLICABLE
- (9) UNKNOWN

PRE-CRASH POSITION

- (1) FORWARD
- (2) MIDDLE
- (3) REARWARD
- (8) NOT APPLICABLE
- (9) UNKNOWN

INVESTIGATOR'S NOTES:

DRIVER PASSENGER

2
46

2
47

3
45

3
49

0
50

0
51

0
52

0
53

9
54

9
55

REAR SEAT

TYPE OF REAR SEAT

- (0) NONE
- (1) NON-FOLDING
- (2) FOLDING
- (3) CAPTAIN'S CHAIR
- (4) JUMP SEAT
- (9) UNKNOWN

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

CENTER ARMREST DAMAGED

- (0) NO
- (1) YES
- (7) EQUIPPED, DAMAGE UNKNOWN
- (8) NOT APPLICABLE (NO CENTER ARMREST)
- (9) UNKNOWN IF EQUIPPED

REAR SEAT-BACK LOCKS

FOR THE FOLLOWING, USE:

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

LEFT OR CENTER, EQUIPPED

LEFT OR CENTER, HELD
(3) SEAT FOLDED DOWN

RIGHT, EQUIPPED

RIGHT, HELD
(3) SEAT FOLDED DOWN

THIRD SEAT

EQUIPPED

BACKREST DAMAGED

CUSHION DAMAGED

LEFT RIGHT

1
56

1
57

0
58

0
59

0
60

LEFT

RIGHT

0
61
0
62
0
63
0
64
0
65
0
66
0
67

0
68
0
69
0
70
0
71
0
72
0
73

0
74
0
75
0
76
0
77

0
78
0
79
0
80
0
81
0
82

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

OCCUPANT INFORMATION OC-1

<p>OCCUPANT IDENTIFICATION</p> <p>OCCUPANT NUMBER <u>01</u> ₁₃</p> <p>ROLE OF OCCUPANT AT 1ST IMPACT</p> <p>(1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER (NOT DRIVER) (9) UNKNOWN <u>1</u> ₅</p>		<p>PHYSICAL DESCRIPTION</p> <p>AGE IN YEARS <u>47</u> ₂₆</p> <p>(00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN</p> <p>AGE IN MONTHS <u>25</u> ₂₂</p> <p>(00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN</p> <p>MASS (kg) <u>091</u> _{24 26}</p> <p>(999) UNKNOWN</p> <p>HEIGHT (cm) <u>183</u> _{27 29}</p> <p>(999) UNKNOWN</p> <p>SEX <u>1</u> ₃₀</p> <p>(1) MALE (2) FEMALE (9) UNKNOWN</p>	
<p>OCCUPANT POSITION</p> <p>ROW LOCATION</p> <p>(1) FRONT <u>1</u> ₁₆</p> <p>(2) SECOND (3) THIRD (4) FOURTH (7) OTHER: _____ (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN</p>		<p>MEDICAL CONDITIONS</p> <p>TREATMENT/MORTALITY <u>00</u> ₃₁</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) <u>01</u> ₃₃</p> <p>(99) UNKNOWN</p> <p>NON-IMPACT MED. CONDITIONS <u>0</u> ₃₅</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 (CIRCLE EACH) (9) UNKNOWN</p>	
<p>LATERAL LOCATION</p> <p>(1) LEFT <u>1</u> ₁₇</p> <p>(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 <u>10</u> ₁₈</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>			

MEDICAL CONDITIONS (CONT.)

POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT

- (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 IMPACT
- (7) NON-FATAL INJURY, SEVERITY UNKNOWN
- (9) UNKNOWN

7
36

CHILD SEAT TYPE

- (00) NONE USED
- (01) YES, USED
- (88) NOT APPLICABLE (ADULT OR OLDER CHILD)
- (99) UNKNOWN

88
41

CHILD SEAT MAKE/MODEL

RESTRAINT SYSTEM

ACTIVE RESTRAINT SYSTEM

- (0) NONE
- (1) LAP BELT
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT & SHOULDER HARNESS
- (9) UNKNOWN

3

ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)
- (1) LAP BELT ONLY
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT & SHOULDER HARNESS
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NONE AVAILABLE)
- (9) UNKNOWN

3
38

PASSIVE RESTRAINT SYSTEM

- (0) NONE
- (1) AIR BAG INSTALLED
- (2) PASSIVE UPPER TORSO WITH KNEE BOLSTERS
- (3) PASSIVE UPPER TORSO WITHOUT KNEE BOLSTERS
- (4) PASSIVE LAP & UPPER TORSO
- (7) OTHER: _____
- (9) UNKNOWN

1

PASSIVE RESTRAINT SYSTEM USAGE

- (1) AIR BAG NOT DEPLOYED
- (2) AIR BAG DEPLOYED
- (3) AIR BAG NOT REINSTALLED
- (4) PASSIVE UPPER TORSO USED
- (5) PASSIVE LAP & UPPER TORSO USED
- (6) SYSTEM DEFEATED
- (7) SYSTEM USED IN MANUAL MODE
- (8) NOT APPLICABLE (NOT ORIGINALLY EQUIPPED)
- (9) UNKNOWN

1
40

EJECTION

DEGREE OF EJECTION

- (0) NONE
- (1) PARTIAL
- (2) COMPLETE
- (7) EJECTED, DEGREE UNKNOWN
- (9) UNKNOWN IF EJECTED

0

AREA OF EJECTION

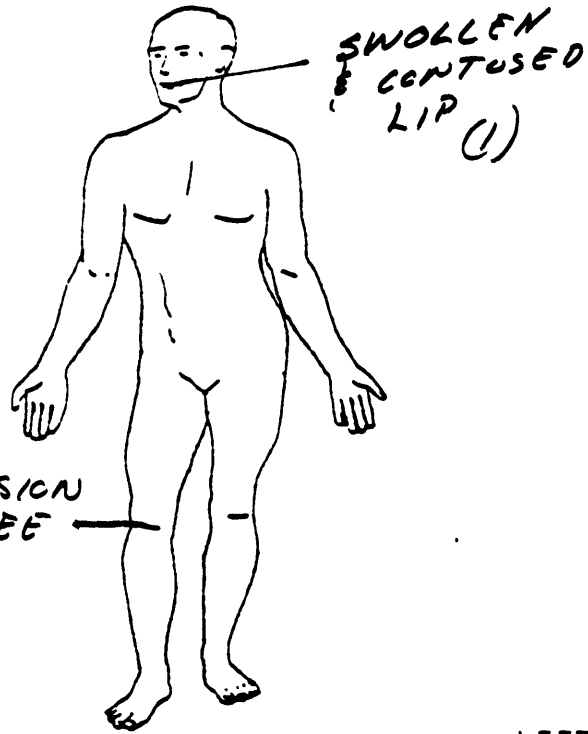
- (01) WINDOW, LEFT SIDE
- (02) WINDOW, RIGHT SIDE
- (03) WINDOW, REAR
- (04) DOOR, LEFT SIDE
- (05) DOOR, RIGHT SIDE
- (06) DOOR, REAR OR TAILGATE
- (07) WINDSHIELD
- (08) ROOF OR OPEN CONVERTIBLE OR FROM EXTERNAL AREA
- (96) EJECTED AREA UNKNOWN
- (97) OTHER AREA: _____
- (98) NOT APPLICABLE (NOT EJECTED)
- (99) UNKNOWN IF EJECTED

98
45

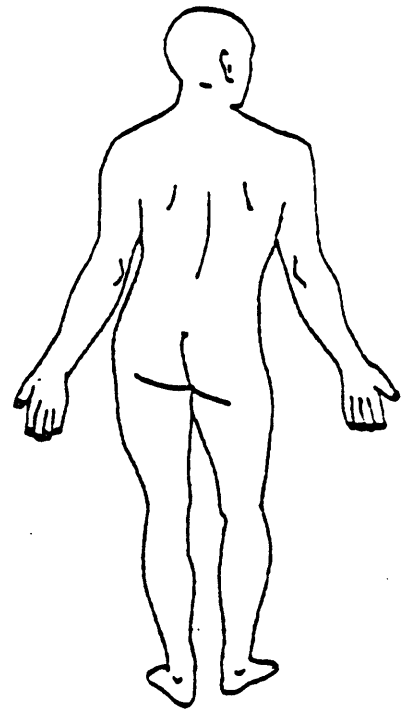
IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:

OCCUPANT INFORMATION OC-3

INDICATE LOCATION OF INJURIES, INCLUDING MAJOR BRUISES.

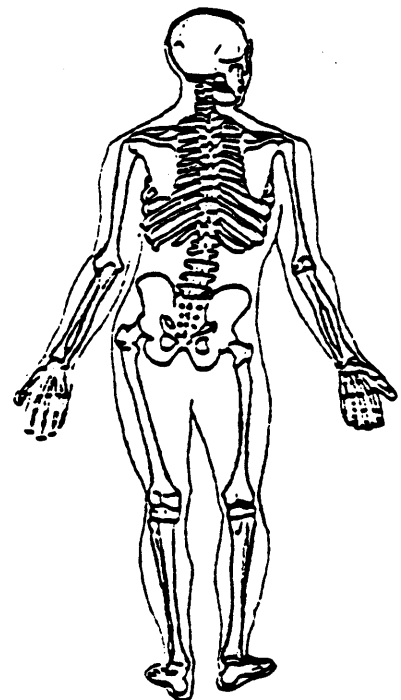
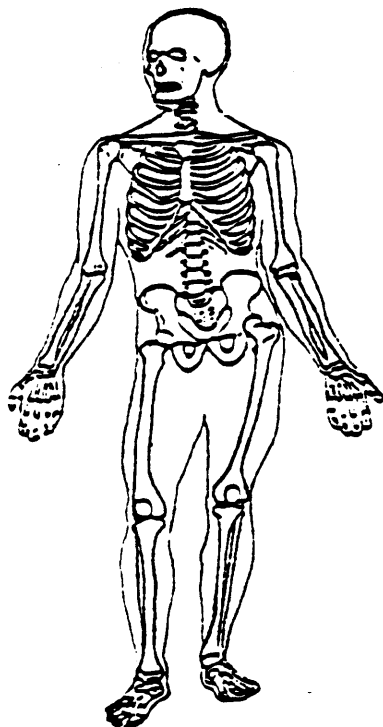


RIGHT



LEFT

RIGHT



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 (Y)
- (56) LOWER INSTRUMENT PANEL (Z)
- (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
- (28) 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) CONTR'L 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 (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (68) 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*)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

REAR

- (88) 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*)
- (62) 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
- (76) 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 from the previous card. Module $\frac{I}{9}$ $\frac{C}{10}$ Format $\frac{0}{11}$ $\frac{1}{12}$

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

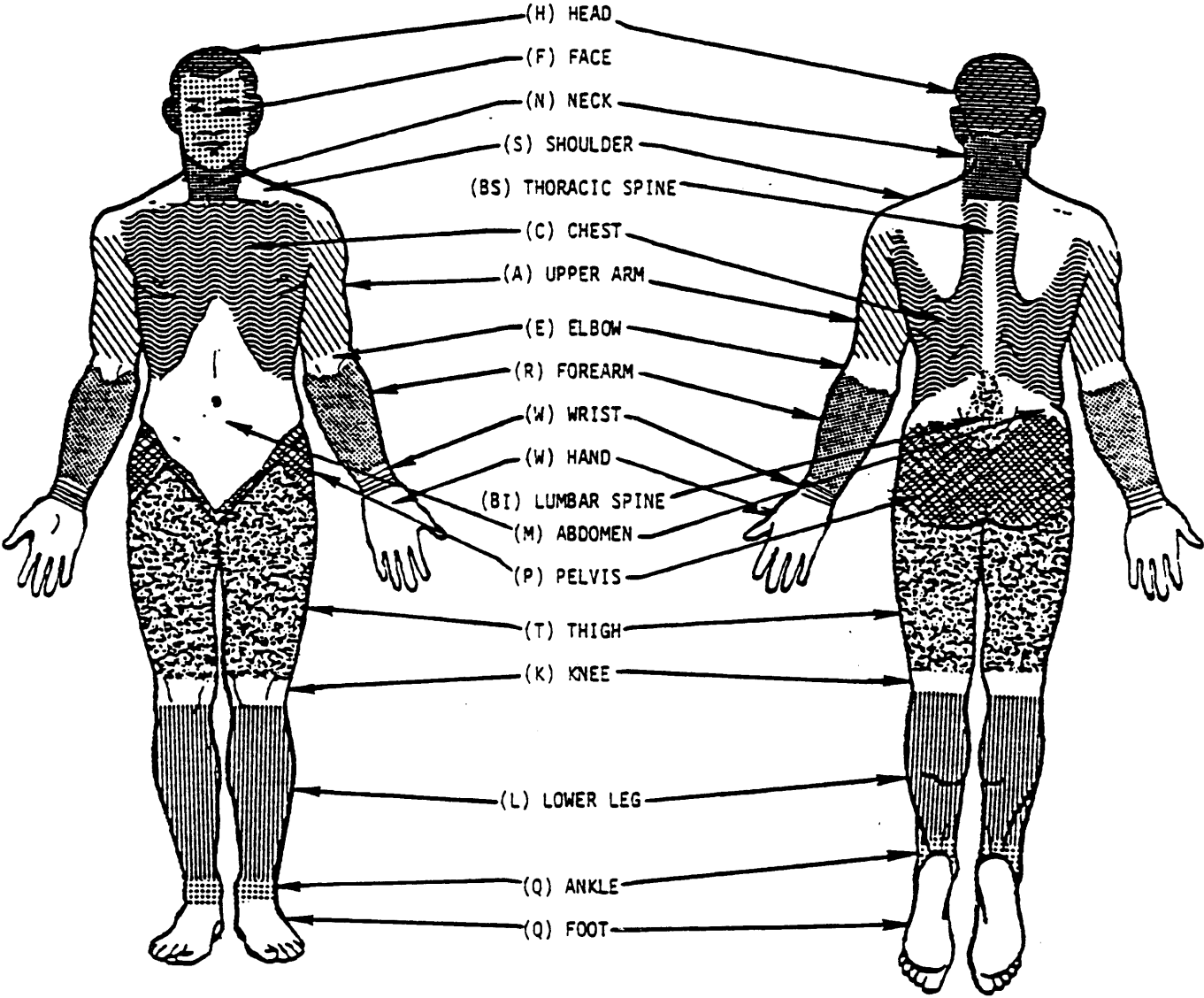
OCCUPANT NUMBER INJURY NUMBER PLACE CONTACTS IN ORDER OF PROBABILITY (HORIZONTALLY). START WITH MOST PROBABLE IN 1ST CONTACT AREA COLUMN. AREA(S) OF POSSIBLE CONTACT 1ST 2ND					PRIMARY OIC					ASSOCIATED OIC					COMMENTS
					BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY	BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY	
13-14	15-16	17-18	19-20	COMMENTS	21	22	23	24	25	26	27	28	29	30	
01	01	87	--		E	I	C	I	I	-	-	-	-	-	
	02	56	--		K	R	C	I	I	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	

Duplicate columns 1-12 for each line.

Duplicate "Occupant Number" for each line.

NOTE: USE ADDITIONAL PAGES IF NECESSARY.

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)

- | | | |
|--|--|--|
| <p>1 BODY REGION</p> <ul style="list-style-type: none"> (H) HEAD/SKULL (F) FACE (N) NECK (S) SHOULDER (X) UPPER EXTREMITIES <ul style="list-style-type: none"> (A) ARM (<i>UPPER</i>) (E) ELBOW (R) FOREARM (W) WRIST/HAND (C) CHEST (M) ABDOMEN (B) BACK (P) PELVIC/HIP (Y) LOWER EXTREMITIES <ul style="list-style-type: none"> (T) THIGH (K) KNEE (L) LEG (<i>LOWER</i>) (Q) ANKLE/FOOT (O) WHOLE BODY (U) UNKNOWN | <p>3 LESION</p> <ul style="list-style-type: none"> (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 | <p>4 SYSTEM/ORGAN</p> <ul style="list-style-type: none"> (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 (<i>SKIN</i>) (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