## **OCCUPANT ASSESSMENT FORM**

Form Approved O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM CRASHWORTHINESS DATA SYSTEM

Primary Sampling Unit Number	OCCUPANT'S SEATING
With Address Control of the Control	10. Occupant's Seat Position
2. Case Number - Stratum	Front Seat
3. Vehicle Number	(11) Left side (12) Middle
4. Occupant Number	(13) Right side
OCCUPANT'S CHARACTERISTICS	(14) Other (specify):
OCCOPANT S CHANACTERISTICS	(15) On or in the lap of another occupant
5. Occupant's Age Code actual age at time of accident. (OO) Less than one year old (specify by month):  (97) 97 years and older (99) Unknown	Second Seat (21) Left side (22) Middle (23) Right side (24) Other (specify): (25) On or in the lap of another occupant
6. Occupant's Sex (1) Male (2) Female-not reported pregnant (3) Female-pregnant-1st trimester(1st-3rd month) (4) Female-pregnant-2nd trimester(4th-6th month) (5) Female-pregnant-3rd trimester(7th-9th month) (6) Female-pregnant-term unknown (9) Unknown	Third Seat (31) Left side (32) Middle (33) Right side (34) Other (specify): (35) On or in the lap of another occupant  Fourth Seat (41) Left side (42) Middle (43) Right side (44) Other (specify): (45) On or in the lap of another occupant
7. Occupant's Height Code actual height to the nearest centimeter. (999) Unknown Inches X 2.54 = centimeters	(97) In or on unenclosed area (98) Other seat (specify): (99) Unknown
8. Occupant's Weight Code actual weight to the nearest kilogram. (999) Unknown  pounds X 4536 = kilograms  9. Occupant's Role (1) Driver (2) Passenger (9) Unknown	11. Occupant's Posture (0) Normal posture  Abnormal posture (1) Kneeling or standing on seat (2) Lying on or across seat (3) Kneeling, standing or sitting in front of seat (4) Sitting sideways or turned to talk with another occupant or to look out a rear window (5) Sitting on a console (6) Lying back in a reclined seat position (7) Bracing with feet or hands on a surface in front of seat (8) Other abnormal posture (specify):
JC Form 1935 (1)/1907) This are in the place for the	

Form 433A (1/1997)

This report is authorized by P.L. 89-563, Title 1, Section 106, 108, and 112. While you are not required to respond, your cooperation is needed to make the results of this data collection effort comprehensive, accurate, and timely.

	EJE	CTION/E	NTRAPMENT
12.	Ejection (0) No ejection (1) Complete ejection (2) Partial ejection (3) Ejection, unknown degree (9) Unknown		15. Medium Status (Immediately Prior To Impact) (0) No ejection (1) Open (2) Closed (3) Integral structure (9) Unknown
13.	Ejection Area (0) No ejection (1) Windshield (2) Left front (3) Right front (4) Left rear (5) Right rear (6) Rear (7) Roof (8) Other area (e.g., back of pickup, etc.) (specify): (9) Unknown		16. Entrapment (0) Not entrapped/exit not inhibited (1) Entrapped/pinned - mechanically restrained (2) Could not exit vehicle due to jammed doors, fire, etc. (specify):  (9) Unknown  17. Occupant Mobility (0) Occupant fatal before removed from vehicle (1) Removed from vehicle while unconscious or not oriented to time or place
14.	Ejection Medium (0) No ejection (1) Door/hatch/tailgate (2) Nonfixed roof structure (3) Fixed glazing (4) Nonfixed glazing (specify): (5) Integral structure (8) Other medium (specify): (9) Unknown		<ul> <li>(2) Removed from vehicle due to perceived serious injuries</li> <li>(3) Exited vehicle with some assistance</li> <li>(4) Exited vehicle under own power</li> <li>(5) Occupant fully ejected</li> <li>(8) Removed from vehicle for other reasons (specify):</li> <li>(9) Unknown</li> </ul>

BELT SYSTE	M FUNCTION
18. Manual (Active) Belt System Availability (0) None available (1) Belt removed/destroyed (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt available—type unknown	Manual Shoulder Belt Upper Anchorage     Adjustment     (0) No manual shoulder belt     (1) No upper anchorage adjustment for manual shoulder belt     Adjustable shoulder Belt Upper Anchorage
Integral Belt Partially Destroyed  (6) Shoulder belt (lap belt destroyed/removed)  (7) Lap belt (shoulder belt destroyed/removed)  (8) Other belt (specify):	<ul> <li>(2) In full up position</li> <li>(3) In mid position</li> <li>(4) In full down position</li> <li>(5) Position unknown</li> <li>(9) Unknown if position has adjustable upper anchorage adjustment</li> </ul>
(9) Unknown  19. Manual (Active) Belt System Use (00) None used, not available, or belt removed/destroyed (01) Inoperative (specify):	23. Automatic (Passive) Belt System Availability/ Function (0) Not equipped/not available (1) 2 point automatic belts (2) 3 point automatic belts (3) Automatic belts - type unknown
(O2) Shoulder belt (O3) Lap belt (O4) Lap and shoulder belt (O5) Belt used-type unknown	Non-functional (4) Automatic belts destroyed or rendered inoperative (9) Unknown 24. Automatic (Passive) Belt System Use
<ul> <li>(08) Other belt used (specify):</li> <li>(12) Shoulder belt used with child safety seat</li> <li>(13) Lap belt used with child safety seat</li> <li>(14) Lap and shoulder belt used with child safety seat</li> <li>(15) Belt used with child safety seat—type unknown</li> <li>(18) Other belt used with child safety seat</li> </ul>	(0) Not equipped/not available/destroyed or rendered inoperative (1) Automatic belt in use (2) Automatic belt not in use (manually disconnected, motorized track inoperative) (specify): (3) Automatic belt use unknown (9) Unknown
(specify): (99) Unknown if belt used  20. Proper Use of Manual (Active) Belts (0) None used or not available	25. Automatic (Passive) Belt System Type (0) Not equipped/not available (1) Non-motorized system (2) Motorized system (9) Unknown
<ul> <li>(1) Belt used properly</li> <li>(2) Belt used properly with child safety seat</li> <li>Belt Used Improperly</li> <li>(3) Shoulder belt worn under arm</li> <li>(4) Shoulder belt worn behind back or seat</li> <li>(5) Belt worn around more than one person</li> </ul>	26. Proper Use of Automatic (Passive) Belt System (0) Not equipped/not available/not used (1) Automatic belt used properly (2) Automatic belt used properly with child safety seat
<ul> <li>(6) Lap belt worn on abdomen</li> <li>(7) Lap belt or lap and shoulder belt used improperly with child safety seat (specify):</li> <li>(8) Other improper use of manual belt system</li> </ul>	Automatic Belt Used Improperly (3) Automatic shoulder belt worn under arm (4) Automatic shoulder belt worn behind back (5) Automatic belt worn around more than one person
(specify): (9) Unknown	<ul><li>(6) Lap portion of automatic belt worn on abdomen</li><li>(7) Automatic lap and shoulder belt or</li></ul>
21. Manual (Active) Belt Failure Modes During Accident (0) No manual belt used or not available (1) No manual belt failure(s) (2) Torn webbing (stretched webbing not included)	automatic shoulder belt used improperly with child safety seat (specify):  (8) Other improper use of automatic belt system (specify):  (9) Unknown
<ul> <li>(3) Broken buckle or latchplate</li> <li>(4) Upper anchorage separated</li> <li>(5) Other anchorage separated (specify):</li> <li>(6) Broken refractor</li> <li>(7) Combination of above (specify):</li> <li>(8) Other manual belt failure (specify):</li> </ul>	27. Automatic (Passive) Belt Failure Modes During Accident (0) Not equipped/not available/not in use (1) No automatic belt failure(s) (2) Torn webbing (stretched webbing not included) (3) Broken buckle or latchplate (4) Upper anchorage separated (5) Other anchorage separated (specify):
(9) Unknown	(6) Broken retractor (7) Combination of above (specify): (8) Other automatic belt failure (specify): (9) Unknown

POLICE REPORTED RESTRAINT USE	AIR BAG SYSTEM FUNCTION
28. Police Reported Belt Use (0) None used (1) Police did not indicate belt use (2) Shoulder belt (3) Lap belt (4) Lap and shoulder belt (5) Belt used, type not specified (6) Child safety seat (7) Automatic belt (8) Other type belt, (specify):	30. Frontal Air Bag System Availability/Function (This Occupant Position) (0) Not equipped/not available (1) Air bag Non-functional (2) Air bag disconnected (specify):  (3) Air bag not reinstalled (9) Unknown  31. Frontal Air Bag System Deployment
(9) Police indicated "unknown"  29. Police Reported Air Bag Availability/Function (0) No air bag available (1) Police did not indicate air bag availability/function (2) Deployed (3) Not deployed (4) Unknown if deployed (9) Police indicated "unknown"	<ul> <li>(This Occupant Position)</li> <li>(0) Not equipped/not available</li> <li>(1) Deployed during accident (as a result of impact)</li> <li>(2) Deployed inadvertently just prior to accident</li> <li>(3) Deployed, details unknown</li> <li>(4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical)</li> <li>(5) Unknown if deployed</li> <li>(7) Nondeployed</li> <li>(9) Unknown</li> </ul>
Check the Primary Source Used In Determining Belt Use.  [ ] Vehicle inspection [ ] Official injury data [ ] Driver/occupant interview [ ] Other (specify):  [ ] Unknown if belt used	<ul> <li>32. Other Than First Seat Frontal Air Bag Availability/Function (This Occupant Position) (O) Not equipped/not available (1) Air bag Non-functional (2) Air bag disconnected (specify): (3) Air bag not reinstalled (9) Unknown Specify type of "other" air bag present:</li> <li>33. Air Bag(s) Deployment, Other Than First Seat Frontal (This Occupant Position) (O) Not equipped with an "other" air bag (1) Deployed during accident (as a result of impact) (2) Deployed inadvertently just prior to accident (3) Deployed, details unknown (4) Deployed as a result of a noncollision event during accident sequence (e.g., fire, explosion, electrical) (5) Unknown if deployed (7) Nondeployed (9) Unknown</li> <li>34. Are There Indications of Air Bag System Failure? (This Occupant Position) (0) Not equipped/not available (1) No (2) Yes (specify):</li> <li>(9) Unknown</li> </ul>

	FIRST SEAT FRONTAL AIR I	BAG	SYSTEM EVALUATION
	Had Vehicle Been in Previous Accident(s)?  (0) Not equipped/not available (1) No previous accidents  Yes (2) Previous accident(s) without deployment(s) (3) One previous accident with deployment (4) More than one previous accident with at least one deployment (8) Previous accidents, unknown deployment status (9) Unknown  Type of Air Bag (0) Not equipped/not available (1) Original manufacturer installed system (2) Retrofitted air bag	40.	Longitudinal Component of + Delta V For Air Bag Deployment Impact (_000) Not equipped/not available
07	(3) Replacement air bag (8) Unknown type of air bag (9) Unknown		<ul> <li>(3) Deployed, unknown if flap(s) opened at designated tear points</li> <li>(7) Not deployed</li> <li>(8) Unknown if deployed</li> <li>(9) Unknown</li> </ul>
37.	Had Any Prior Maintenance/Service Been Performed On This Air Bag System? (0) Not equipped/not available (1) No prior maintenance (2) Yes, prior maintenance (specify): (9) Unknown	42.	Were Air Bag Module Cover Flap(s) Damaged? (0) Not equipped/not available (1) No (2) Yes (specify): (3) Deployed, unknown if air bag module cover flap(s) damaged
38.	Air Bag Deployment Accident Event Sequence Number (00) Not equipped/not available Code the accident event sequence		<ul><li>(7) Not deployed</li><li>(8) Unknown if deployed</li><li>(9) Unknown</li></ul>
	number that initiated the air bag deployment (96) Deployed, unknown event (97) Not deployed (98) Unknown if deployed (99) Unknown		Was There Damage To The Air Bag? (00) Not equipped/not available (01) Not damaged  Yes - Air Bag Damage (02) Ruptured (03) Cut (04) Torn
	CDC For Air Bag Deployment Impact (0) Not equipped/not available (1) Highest delta V (2) Second highest delta V (3) Other non-coded delta V (specify):  (6) Deployed, unknown event (7) Not deployed (8) Unknown if deployed (9) Unknown		(05) Holed (06) Burned (07) Abraded (88) Other damage (specify):  (95) Damaged, details unknown (96) Deployed, unknown if damaged (97) Not deployed (98) Unknown if deployed (99) Unknown

	FIRST SEAT FRONTAL AIR BAG SYSTEM EVALUATION continued	HEAD RESTRAINT AND SEAT EVALUATION
	EVALUATION continued	49. Head Restraint Type/Damage by Occupant
44.	Source of Air Bag Damage	at This Occupant Position
	(00) Not equipped/not available	(0) No head restraints
	(01) Not damaged	(1) Integral—no damage
	(02) Object worn by occupant, (specify):	(2) Integral—damaged during accident
	5.606.7.6.6	(3) Adjustable—no damage
İ	(03) Object carried by occupant, (specify):	(4) Adjustable—damaged during accident
1		(5) Add-on—no damage
	(04) Adaptive/assistive controls, (specify):	(6) Add-on-damaged during accident
		(8) Other (specify):
l	(05) Fire in vehicle	(o) Other (specify).
l	(06) Thermal burns	(9) Unknown
	(07) Rescue or emergency efforts	(3) Officiowit
1	(88) Other damage source (specify):	50. Seat Type (this Occupant Position)
		(00) Occupant not seated or no seat
	(95) Damaged, unknown source	(01) Bucket
	(96) Deployed, unknown if damaged	(02) Bucket with folding back
	(97) Not deployed	(03) Bench
	(98) Unknown if deployed	(04) Bench with separate back cushions
	(99) Unknown	(05) Bench with folding back(s)
		(06) Split bench with separate back cushions
45.	Was The Air Bag Tethered?	(07) Split bench with folding back(s)
	(0) Not equipped/not available	(08) Pedestal (i.e., column supported)
	(1) No	(09) Box mounted seat (i.e., van type)
	(2) Yes (specify number of tether straps):	(10) Other seat type (specify):
		/00\ II.I
	(3) Deployed, unknown if tethered	(99) Unknown
	(7) Not deployed	
	(8) Unknown if deployed	51. Seat Orientation (this Occupant Position)
	(9) Unknown	(0) Occupant not seated or no seat
16	Did The Air Bag Have Vent Ports?	(1) Forward facing seat
40.	(0) Not equipped/not available	(2) Rear facing seat
	(1) No	(3) Side facing seat (inward)
1		(4) Side facing seat (outward)
į	(2) Yes (specify number of vent ports):	(8) Other (specify):
	(3) Deployed, unknown if vent ports present	(6)
l	(7) Not deployed	(9) Unknown
ļ	(8) Unknown if deployed	
	(9) Unknown	52. Seat Track Adjusted Position Prior To Impact
	(5) Olikilowii	(0) Occupant not seated or no seat
47	Was the Air Bag in this Occupant's Position	(1) Non-adjustable seat track
7.	Contacted by Another Occupant?	A 1900 A 1900 A 1900 A
	(0) Not equipped/not available	Adjustable Seat Track
	(1) No	(2) Seat at forward most track position
	(2) Yes (specify):	(3) Seat between forward most and middle track
	izi ios ispecityi.	positions
	(3) Deployed upknown if other converse	(4) Seat at middle track position
	(3) Deployed, unknown if other occupant contact	(5) Seat between middle and rear most track
	to air bag	positions
	(7) Not deployed	(6) Seat at rear most track position
	(8) Unknown if deployed	(9) Unknown
	(9) Unknown	
10	Man Thin Occurred Man 5	
40.	Was This Occupant Wearing Eye-wear?	
	(0) Not air bag equipped/air bag not available	
	(1) No	
	(2) Eyeglasses/sunglasses	
	(3) Contact lenses	
	(4) Deployed, unknown if eyewear worn	
	(7) Not deployed	
	(8) Unknown if deployed	
	(9) Unknown	
L		<u> </u>

## **HEAD RESTRAINT AND SEAT EVALUATION continued** 53. Seat Back Incline Prior and Post Impact (00) Occupant not seated or no seat (01) Not adjustable Upright prior to impact (11) Moved to completely rearward position (12) Moved to rearward midrange position (13) Moved to slightly rearward position (14) Retained pre-impact position (15) Moved to slightly forward position (16) Moved to forward midrange position (17) Moved to completely forward position Slightly reclined prior to impact (21) Moved to completely rearward position (22) Moved to rearward midrange position (23) Retained pre-impact position (24) Moved to upright position (25) Moved to slightly forward position (26) Moved to forward midrange position (27) Moved to completely forward position Completely reclined prior to impact (31) Retained pre-impact position (32) Moved to rearward midrange position (33) Moved to slightly rearward position (34) Moved to upright position (35) Moved to slightly forward position (36) Moved to forward midrange position (37) Moved to completely forward position (99) Unknown 54. Seat Performance (this Occupant Position) (0) Occupant not seated or no seat (1) No seat performance failure(s) (2) Seat adjusters failed (3) Seat back folding locks or "seat back" failed (specify): (4) Seat track/anchors failed (5) Deformed by impact of occupant (6) Deformed by passenger compartment intrusion, (specify): (7) Combination of above (specify): (8) Other (specify): (9) Unknown

	CHILD SAI	FETY SEAT
55.	Child Safety Seat Make/Model (000) No child safety seat	58. Child Safety Seat Harness Usage
	Applicable codes are found in your NASS CDS Data Collection, Coding and Editing (950) Built-in child safety seat (997) Other make/model (specify):	59. Child Safety Seat Shield Usage
	(998) Unknown make/model	60. Child Safety Seat Tether Usage
	(999) Unknown if child safety seat used	Note: Options below applicable to Variables 0A58-0A60. (00) No child safety seat
	Type of Child Safety Seat  (0) No child safety seat  (1) Infant seat  (2) Toddler seat  (3) Convertible seat  (4) Booster seat - with shield  (5) Booster seat - without shield  (7) Other type child safety seat (specify):  (8) Unknown child safety seat type  (9) Unknown if child safety seat used  Child Safety Seat Orientation  (00) No child safety seat  Designed for Rear Facing for This Age/Weight  (01) Rear facing  (02) Forward facing  (08) Other orientation (specify):  (09) Unknown orientation  Designed For Forward Facing for This Age/Weight  (11) Rear facing  (12) Forward facing  (13) Other orientation (specify):  (19) Unknown orientation  Unknown Design or Orientation For This Age/Weight, or Unknown Age/Weight  (21) Rear facing  (22) Forward facing  (23) Other orientation (specify):  (29) Unknown orientation  (99) Unknown if child safety seat used	

National Accident Sampling System-Crashworthiness Dat INJURY CONSEQUENCES	a System: Occupant Assessment Form Page
61. Injury Severity (Police Rating)  (0) O - No injury (1) C - Possible injury (2) B - Nonincapacitating injury (3) A - Incapacitating injury (4) K - Killed (5) U - Injury, severity unknown (6) Died prior to accident (9) Unknown  62. Treatment - Mortality (0) No treatment (1) Fatal (2) Fatal - ruled disease (specify):   Nonfatal (3) Hospitalization (4) Transported and released (5) Treatment at scene - nontransported (6) Treatment later (7) Treatment - other (specify):  (8) Transported to a medical facility-unknown if treated (9) Unknown	63. Type Of Medical Facility (for Initial Treatment) (0) Not treated at a medical facility (1) Trauma center (2) Hospital (3) Medical clinic (4) Physician's office (5) Treatment later at medical facility (8) Other (specify): (9) Unknown  64. Hospital Stay (00) Not Hospitalized Code the number of days (up through 60) that the occupant stayed in hospital. (61) 61 days or more (99) Unknown  65. Working Days Lost Code the number of days (up through 60) that the occupant lost from work due to the accident (00) No working days lost (61) 61 days or more (62) Fatally injured (97) Not working prior to accident (99) Unknown
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	THE ZONE CENTER

## TO BE CODED BY THE ZONE CENTER

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TRAUMA DATA
71. Glasgow Coma Scale (GCS) Score (at Medical Facility) (00) Not injured (01) Injured - not treated at medical facility (02) No GCS Score at medical facility (03-15) Code the actual value of the initial GCS Score recorded at medical facility. (97) Injured, details unknown (99) Unknown if injured
72. Was the Occupant Given Blood? (1) No - blood not given (2) Yes - blood given (specify units): (9) Unknown if blood given  73. Arterial Blood Gases (ABG) - HCO <sub>3</sub> (00) Not injured (01) Injured, ABGs not measured or reported (02-50) Code the actual value of the HCO <sub>3</sub> (96) ABGs reported, HCO <sub>3</sub> unknown (97) Injured, details unknown (99) Unknown if injured
BELT USE DETERMINATION
74. Primary Source of Belt Use Determination (0) Not equipped/not available/destroyed or rendered inoperative (1) Vehicle inspection (2) Official injury data (3) Driver/occupant interview (8) Other (specify): (9) Unknown if belt used