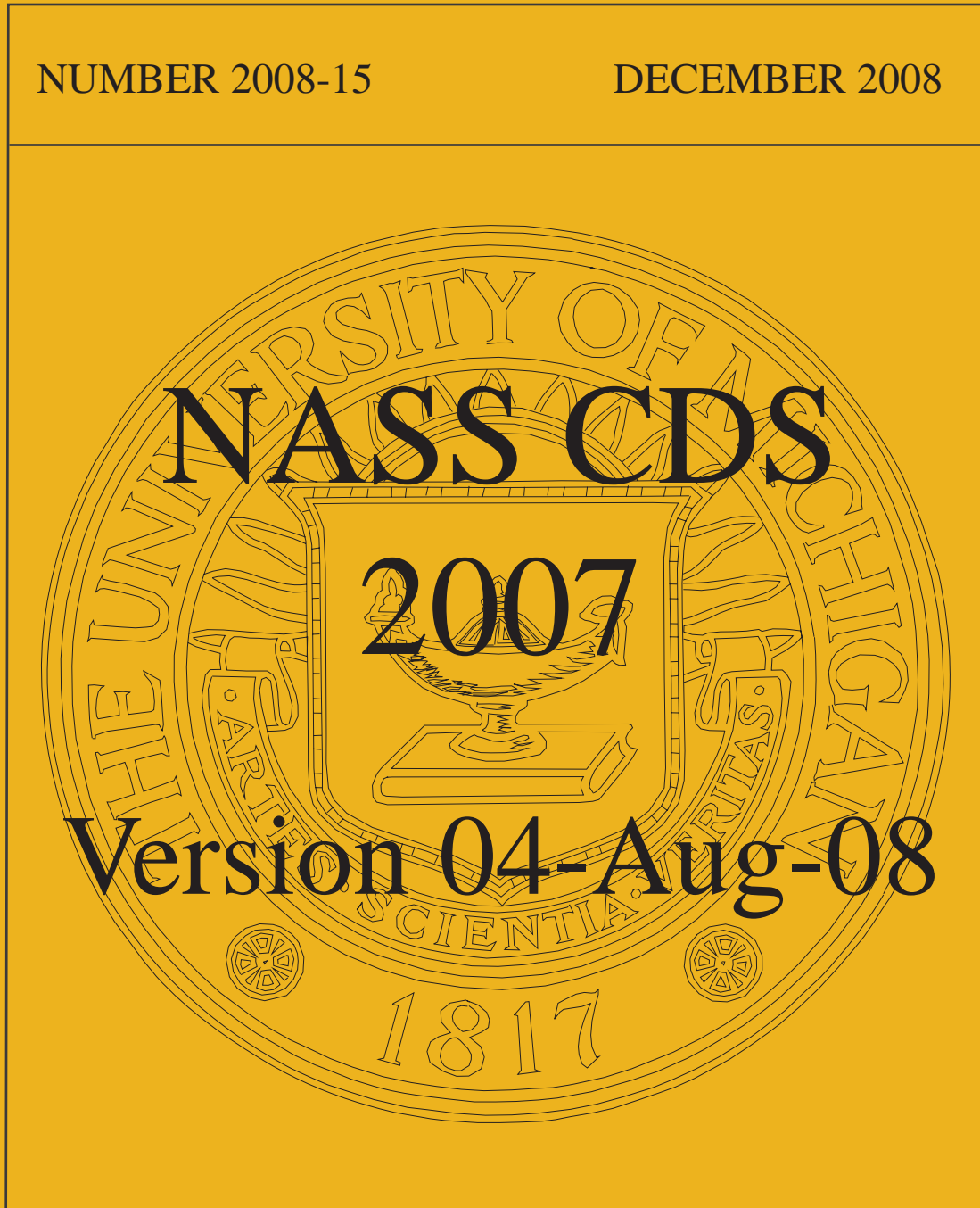


Transportation Data Center
Data Set Codebook

NUMBER 2008-15

DECEMBER 2008



The University of Michigan
Transportation Research Institute

NASS Crashworthiness Data System (CDS)

2007 Code Book - Version 20Aug08

Introduction

This code book documents data sets describing a sample of motor vehicle accidents that occurred in the USA during calendar year 2007. These sets represent the NASS Crashworthiness Data System distribution file dated August 20, 2008. The data sets were generated by the Transportation Data Center at the University of Michigan's Transportation Research Institute from data collected by the National Center for Statistics and Analysis (NCSA) of the National Highway Traffic Safety Administration (NHTSA). The cooperation of NHTSA is gratefully acknowledged.

The 1988-2007 CDS data represents a statistical sample of motor-vehicle accidents whose collection methodology was designed to assist in studies directed toward a determination of vehicle crashworthiness.

Primary program goals include:

- 1) A focus on accidents involving automobiles and automobile derivatives, light trucks (GVWR < 4,536 kgs (10,000 pounds)), and vans;
- 2) Special consideration for late model vehicles through the inclusion of vehicles with the most recent five model years;
- 3) The selection of accidents with more serious injuries.
- 4) Cases are limited to those with a towed vehicle.

The data are a sample of the 2007 motor vehicle accidents for which candidate accidents were chosen with varying probabilities according to a scheme detailed in the Coding and Editing Manual.¹

¹ National Center for Statistics and Analysis, National Automotive Sampling System, Crashworthiness Data System, 2007 Coding and Editing Manual, January 2007.

The coding manual provides detailed information on the interpretation and coding protocol for each information element.

The relational data set supplied by NCSA contains eight separate relations describing each accident. They are:

- 1) Accident - One record for each accident describing general accident parameters;
- 2) Accident Event Sequence - One record for each event in the accident describing vehicle/vehicle or vehicle/object contacts in sequence;
- 3) General Vehicle - One record for each vehicle in the accident describing general vehicle parameters;
- 4) Exterior Vehicle Damage - One record for selected vehicles describing exterior damage in terms of CDC's and CRASH parameters;
- 5) Interior Vehicle Damage A - One record for selected vehicles describing door and window damage;
- 6) Interior Vehicle Damage B - One record for selected vehicles describing intrusion and other interior damage;
- 7) Occupant Assessment - One record for every vehicle occupant describing general occupant parameters;
- 8) Occupant Injury - One record for every injured occupant describing injury in terms of OIC and AIS scales.

A large number of flat files can obviously be generated from this wealth of complex relations. Users with a need for significant, generally applicable joins not represented by the system data sets are encouraged to contact the Data Center. The traditional Accident, Vehicle, Occupant, and Injury data sets were generated by relational joins of the corresponding record types with some extensions. The accident segment of the data sets was generated by a join of the Accident record with the first Event record for the case. The vehicle portion of the data sets was itself generated by a join of the General Vehicle, Exterior Vehicle Damage, Interior Damage A, and Interior Damage B records. Since a given vehicle is not, in general, represented by all three

damage relations, filler records are substituted whenever one of the damage records is missing. These filler records are indicated by a value of "0" for the corresponding "Record Number" variable (i.e., variable 503, 603, or 703).

The characteristics of the five system data sets that have been developed are presented in the table below.

Characteristics of the NASS 2007 CDS Data Sets

DATA SET	KEY	Freq	VARIABLES
Accident	CDS07ACC	4,963	101-120,201-211
Injury	CDS07INJ	29,829	101-120,201-211,301-408, 501-569,601-648,701-756, 801-878,901-921
Occupant	CDS07OCC	10,809	101-120,201-211,301-408, 501-569,601-648,701-756, 801-878
Two-vehicle acc	CDS07TVA	2,630	101-120,201-211,301-408, 801-878,1301-1408, 1801-1878
Vehicle	CDS07VEH	8,965	101-120,201-211,301-408, 501-569,601-648,701-756

The code book itself is divided into eight sections that document the accident, event, vehicle, damage, occupant, and injury records, respectively. The univariate frequencies and percentages displayed in each section are taken from the corresponding data set: accident and event frequencies from CDS07ACC, vehicle and vehicle damage frequencies from CDS07VEH, occupant frequencies from CDS07OCC, and injury frequencies from CDS07INJ.

The two-vehicle accident data set contains one accident record for every accident involving two vehicles. This record documents accident and first event information as well as vehicle and occupant (for the driver) information for each of the two involved

vehicles. In order to avoid a large amount of duplication, the two-vehicle accident file is not documented directly in this code book. Variables V1301 - V1408 have the same definition as V301 - V408, and variables V1801 - V1878 have the same definition as V801 - V878.

Variable numbers for the entire data set are as follows:

V101 - V120 - Accident
V201 - V211 - Accident Event Sequence
V301 - V408 - General Vehicle
V501 - V569 - Exterior damage to Vehicle
V601 - V648 - Interior damage A to Vehicle
V701 - V756 - Interior damage B to Vehicle
V801 - V878 - Occupant information for Driver
V901 - V921 - Sampled Occupant injuries
V1301 - V1408 - General Vehicle #2
V1801 - V1878 - Occupant information for Driver #2

While every effort has been made to provide accurate, reliable data, inconsistencies may arise from the source data or from the reformatting procedures used. Consequently, the Data Center cannot guarantee the accuracy of the data but will try to correct any discrepancies that are found. Please notify the Center of any errors or data inconsistencies that are uncovered, as well as any suggestions or comments that you may have concerning the code book by calling (734) 763-3230 or by emailing TDC-UMTRI@umich.edu.

For PDF versions of our codebooks and more information about our full line of services, please visit our website:

<http://www.umtri.umich.edu/tdc/>.

NASS Crashworthiness Data System (CDS)
2007 - Accident

Variable Number	Variable Name	Width	Storage Type	Page Number
101	PSU NUMBER	2	Numeric	1
102	CASE NUMBER	4	Alphabetic	1
103	RECORD NUMBER	2	Numeric	1
104	VERSION NUMBER	2	Numeric	1
105	NUM GEN VEH FORMS SUBMIT	2	Numeric	2
106	ACCIDENT MONTH	2	Numeric	2
107	ACCIDENT YEAR	4	Numeric	2
108	ACCIDENT DAY OF WEEK	1	Numeric	3
109	ACCIDENT TIME	4	Numeric	3
110	NUM EVENTS RECORDED	2	Numeric	3
111	MAXIMUM TREATMENT	1	Numeric	4
112	MAXIMUM KNOWN AIS	1	Numeric	4
113	NUM SERIOUSLY INJ OCC	2	Numeric	4
114	NUM INJURED OCCUPANTS	2	Numeric	5
115	ALCOHOL INVOLVEMENT	1	Numeric	5
116	RATIO INFLATION FACTOR	8	Numeric	5
117	RATIO INFLATION FACTOR U	8	Numeric	5
118	MANNER OF COLLISION	1	Numeric	6
119	PSU STRATRUM	2	Numeric	6
120	DRUG INVOLVEMENT	1	Numeric	6

NASS Crashworthiness Data System (CDS)
2007 - Accident Event Sequence

Variable Number	Variable Name	Width	Storage Type	Page Number
201	PSU NUMBER	2	Numeric	7
202	CASE NUMBER	4	Alphabetic	7
203	RECORD NUMBER	2	Numeric	7
204	VERSION NUMBER	2	Numeric	7
205	EVENT SEQUENCE NUMBER	2	Numeric	8
206	VEHICLE NUMBER (1)	2	Numeric	8
207	CLASS OF VEHICLE (1)	2	Numeric	8
208	GEN AREA OF DAMAGE (1)	2	Numeric	9
209	VEH NUM/OBJ CONTACT (2)	2	Numeric	10
210	CLASS OF VEHICLE (2)	2	Numeric	11
211	GEN AREA OF DAMAGE (2)	2	Numeric	12

NASS Crashworthiness Data System (CDS)
2007 - General Vehicle

Variable Number	Variable Name	Width	Storage Type	Page Number
301	PSU NUMBER	2	Numeric	13
302	CASE NUMBER	4	Alphabetic	13
303	RECORD NUMBER	2	Numeric	13
304	VERSION NUMBER	2	Numeric	13
305	VEHICLE NUMBER	2	Numeric	14
306	MODEL YEAR	4	Numeric	14
307	VEHICLE MAKE	2	Numeric	15
308	MAKE/MODEL	5	Numeric	16
309	BODY TYPE	2	Numeric	30
310	VIN	10	Alphabetic	32
311	VIN - CHARACTER #1	1	Alphabetic	32
312	VIN - CHARACTER #2	1	Alphabetic	33
313	VIN - CHARACTER #3	1	Alphabetic	33
314	VIN - CHARACTER #4	1	Alphabetic	33
315	VIN - CHARACTER #5	1	Alphabetic	33
316	VIN - CHARACTER #6	1	Alphabetic	33
317	VIN - CHARACTER #7	1	Alphabetic	33
318	VIN - CHARACTER #8	1	Alphabetic	33
319	VIN - CHARACTER #9	1	Alphabetic	33
320	VIN - CHARACTER #10	1	Alphabetic	33
321	VIN LENGTH	2	Numeric	33
322	TYPE OF VEH INSPECTION	1	Numeric	34
323	VEHICLE DISPOSITION	1	Numeric	34
324	VEHICLE CURB WEIGHT	3	Numeric	34
325	VEHICLE CARGO WEIGHT	3	Numeric	35
326	TOWED TRAILING UNIT	1	Numeric	35
327	VEHICLE SPECIAL USE	1	Numeric	35
328	FRONT OVERRIDE/UNDERRIDE	1	Numeric	36
329	REAR OVERRIDE/UNDERRIDE	1	Numeric	36
330	ANTILOCK BRAKES	1	Numeric	37
331	FOUR WHEEL DRIVE	2	Numeric	37
332	FRONT WHEEL DRIVE	2	Numeric	37
333	FRONT/REAR WHEEL DRIVE	1	Numeric	38
334	# WHEELS/# DRIVE WHEELS	2	Numeric	38
335	CARBURETION	2	Numeric	38
336	FUEL CODE	2	Numeric	39
337	ROOF	1	Numeric	39
338	OPTIONAL ROOF 1	1	Numeric	40
339	OPTIONAL ROOF 2	1	Numeric	40
340	DAYLIGHT RUNNING LIGHTS	2	Numeric	40
341	VINA SERIES TRUCK	3	Alphabetic	41
342	TYPE OF VEHICLE	2	Numeric	41
343	VIN VEH WEIGHT - CAR	4	Numeric	41
344	VIN MODEL CARS	3	Alphabetic	41
345	VIN BODY TYPE	2	Alphabetic	41
346	VIN MAKE	5	Alphabetic	44
347	VIN MODEL YEAR	4	Numeric	45
348	TRUCK WEIGHT CODE	1	Numeric	45
349	MTRCYCLE ENGINE DISPLACE	4	Numeric	45
350	WEIGHT - OTHER VEHICLE	3	Numeric	46

NASS Crashworthiness Data System (CDS)
2007 - General Vehicle

Variable Number	Variable Name	Width	Storage Type	Page Number
351	BODY TYPE - OTHER VEH	2	Numeric	46
352	ROLLOVER	2	Numeric	48
353	ROLLOVER INITIATION TYPE	2	Numeric	49
354	LOCATION OF ROLLOVER INI	1	Numeric	49
355	ROLLOVER INIT OBJ CONTAC	2	Numeric	50
356	PRIN TRIP FORCE APPLIED	1	Numeric	51
357	DIRECTION OF INITIAL ROL	1	Numeric	52
358	HEADING ANGLE - THIS VEH	3	Numeric	52
359	HEADING ANGLE - OTH VEH	3	Numeric	52
360	RECONSTRUCT CONFIDENCE	1	Numeric	53
361	BASIS FOR TOTAL DELTA-V	2	Numeric	53
362	TOTAL DELTA-V	3	Numeric	54
363	LONG COMPONENT DELTA-V	4	Numeric	54
364	LAT COMPONENT DELTA-V	4	Numeric	54
365	ENERGY ABSORPTION	4	Numeric	55
366	BARRIER EQUIVALENT SPEED	3	Numeric	55
367	EST HIGHEST DELTA V	1	Numeric	55
368	SPEED LIMIT (KMPH)	3	Numeric	56
369	TRAVEL SPEED (KMPH)	3	Numeric	56
370	IMPACT SPEED	3	Numeric	56
371	ACCIDENT TYPE	2	Numeric	57
372	TRAJECTORY DATA DOC	1	Numeric	57
373	POST COLL TREE/POLE COND	1	Numeric	57
374	DISTRACTION TO DRIVING	2	Numeric	58
375	PRE-EVENT MOVEMENT	2	Numeric	58
376	CRITICAL PRECRASH EVENT	2	Numeric	59
377	PRE-IMPACT STABILITY	1	Numeric	60
378	PRE-IMPACT LOCATION	1	Numeric	61
379	ATTEMPTED AVOID MANEUVER	2	Numeric	61
380	RELATION TO INTERCHANGE	1	Numeric	62
381	TRAFFICWAY FLOW	1	Numeric	62
382	NUMBER OF TRAVEL LANES	1	Numeric	62
383	ROADWAY ALIGNMENT	1	Numeric	63
384	ROADWAY PROFILE	1	Numeric	63
385	ROADWAY SURFACE TYPE	1	Numeric	63
386	ROADWAY SURFACE CONDITION	1	Numeric	63
387	LIGHT CONDITIONS	1	Numeric	64
388	ATMOSPHERIC CONDITIONS	2	Numeric	64
389	TRAFFIC CONTROL DEVICE	1	Numeric	64
390	CONTROL DEVICE FUNCTION	1	Numeric	65
391	DRIVER PRESENCE	1	Numeric	65
392	ALCOHOL PRESENCE	1	Numeric	66
393	ALCOHOL TEST RESULT	2	Numeric	66
394	OTHER DRUG PRESENCE	1	Numeric	66
395	OTH DRUG - SPECIMEN TEST	1	Numeric	67
396	DRIVER'S ZIP CODE	5	Numeric	67
397	DRIVER'S RACE	1	Numeric	67
398	DRIVER'S ETHNICITY C	1	Numeric	68
399	AIR BAG DEPLOY 1ST SEAT	1	Numeric	68
400	AIR BAG DEPLOY OTH SEAT	1	Numeric	68

NASS Crashworthiness Data System (CDS)
2007 - General Vehicle

Variable Number	Variable Name	Width	Storage Type	Page Number
401	RESTRAINT TYPE	2	Numeric	68
402	MAXIMUM TREATMENT	1	Numeric	69
403	MAXIMUM KNOWN AIS	1	Numeric	70
404	NUM SERIOUSLY INJURED	2	Numeric	70
405	NUMBER INJURED	2	Numeric	70
406	NUMBER OF OCCUPANTS	2	Numeric	71
407	NUMBER OCCUPANT FORMS	2	Numeric	71
408	DELTA V EVENT NUMBER	2	Numeric	71

NASS Crashworthiness Data System (CDS)
2007 - Exterior Damage

Variable Number	Variable Name	Width	Storage Type	Page Number
501	PSU NUMBER	2	Numeric	73
502	CASE NUMBER	4	Alphabetic	73
503	RECORD NUMBER	2	Numeric	73
504	VERSION NUMBER	2	Numeric	73
505	VEHICLE NUMBER	2	Numeric	74
506	ACCIDENT SEQUENCE (1)	2	Numeric	74
507	OBJECT CONTACTED (1)	2	Numeric	74
508	DIRECTION OF FORCE (1)	2	Numeric	76
509	DEFORMATION LOCATION (1)	1	Alphabetic	77
510	LONG/LAT LOCATION (1)	1	Alphabetic	77
511	VERT/LAT LOCATION (1)	1	Alphabetic	77
512	TYPE OF DISTRIB (1)	1	Alphabetic	77
513	DEFORMATION EXTENT (1)	2	Numeric	77
514	DEFORM LOC (1) - NUMERIC	2	Numeric	78
515	LONG/LAT LOC (1)-NUMERIC	2	Numeric	78
516	VERT/LAT LOC (1)-NUMERIC	2	Numeric	79
517	TYPE OF DISTRIB (1)-NUM	2	Numeric	80
518	ACCIDENT SEQUENCE (2)	2	Numeric	80
519	OBJECT CONTACTED (2)	2	Numeric	81
520	DIRECTION OF FORCE (2)	2	Numeric	82
521	DEFORMATION LOCATION (2)	1	Alphabetic	83
522	LONG/LAT LOCATION (2)	1	Alphabetic	83
523	VERT/LAT LOCATION (2)	1	Alphabetic	83
524	TYPE OF DISTRIB (2)	1	Alphabetic	83
525	DEFORMATION EXTENT (2)	2	Numeric	84
526	DEFORM LOC (2) - NUMERIC	2	Numeric	84
527	LONG/LAT LOC (2)-NUMERIC	2	Numeric	84
528	VERT/LAT LOC (2)-NUMERIC	2	Numeric	85
529	TYPE OF DISTRIB (2)-NUM	2	Numeric	86
530	HIGHEST DELTA-V - "L"	3	Numeric	87
531	HIGHEST DELTA-V - "C1"	3	Numeric	87
532	HIGHEST DELTA-V - "C2"	3	Numeric	87
533	HIGHEST DELTA-V - "C3"	3	Numeric	88
534	HIGHEST DELTA-V - "C4"	3	Numeric	88
535	HIGHEST DELTA-V - "C5"	3	Numeric	88
536	HIGHEST DELTA-V - "C6"	3	Numeric	89
537	HIGHEST DELTA-V - "D"	4	Numeric	89
538	SECOND DELTA-V - "L"	3	Numeric	89
539	SECOND DELTA-V - "C1"	3	Numeric	90
540	SECOND DELTA-V - "C2"	3	Numeric	90
541	SECOND DELTA-V - "C3"	3	Numeric	90
542	SECOND DELTA-V - "C4"	3	Numeric	91
543	SECOND DELTA-V - "C5"	3	Numeric	91
544	SECOND DELTA-V - "C6"	3	Numeric	91
545	SECOND DELTA-V - "D"	4	Numeric	92
546	CDC'S DOC/NOT CODED	1	Numeric	92
547	VEHICLE DISPOSITION	1	Numeric	92
548	ORIGINAL WHEELBASE	3	Numeric	93
549	MULTI-STAGE VEHICLE	1	Numeric	93
550	FIRE OCCURRENCE	1	Numeric	93

NASS Crashworthiness Data System (CDS)
2007 - Exterior Damage

Variable Number	Variable Name	Width	Storage Type	Page Number
551	ORIGIN OF FIRE	1	Numeric	94
552	TYPE OF FUEL TANK 1	1	Numeric	94
553	TYPE OF FUEL TANK 2	1	Numeric	94
554	FUEL TANK 1 LOCATION	1	Numeric	94
555	FUEL TANK 2 LOCATION	1	Numeric	95
556	FUEL TANK 1 FILLER CAP	1	Numeric	95
557	FUEL TANK 2 FILLER CAP	1	Numeric	96
558	FUEL TANK 1 DAMAGE	1	Numeric	96
559	FUEL TANK 2 DAMAGE	1	Numeric	96
560	LOCATION OF FUEL 1 LEAK	1	Numeric	96
561	LOCATION OF FUEL 2 LEAK	1	Numeric	97
562	FUEL TYPE 1	2	Numeric	97
563	FUEL TYPE 2	2	Numeric	98
564	MORE THAN 2 FUEL TANKS	1	Numeric	98
565	UNDEFORMED END WIDTH	3	Numeric	99
566	DIRECT DAMAGE WIDTH	3	Numeric	99
567	ORIGINAL AVE. TRACK WID.	3	Numeric	99
568	PDOF1-CLOCK DEGREES	3	Numeric	100
569	PDOF2-CLOCK DEGREES	3	Numeric	100

NASS Crashworthiness Data System (CDS)
2007 - Interior Damage A

Variable Number	Variable Name	Width	Storage Type	Page Number
601	PSU NUMBER	2	Numeric	101
602	CASE NUMBER	4	Alphabetic	101
603	RECORD NUMBER	2	Numeric	101
604	VERSION NUMBER	2	Numeric	101
605	VEHICLE NUMBER	2	Numeric	102
606	PASS COMPART INTEGRITY	2	Numeric	102
607	DOOR/GATE/HATCH OPN - LF	1	Numeric	103
608	DOOR/GATE/HATCH OPN - RF	1	Numeric	103
609	DOOR/GATE/HATCH OPN - LR	1	Numeric	103
610	DOOR/GATE/HATCH OPN - RR	1	Numeric	104
611	DOOR/GATE/HATCH OPN - TG	1	Numeric	104
612	DOOR/GATE/HATCH DAM - LF	1	Numeric	104
613	DOOR/GATE/HATCH DAM - RF	1	Numeric	105
614	DOOR/GATE/HATCH DAM - LR	1	Numeric	105
615	DOOR/GATE/HATCH DAM - RR	1	Numeric	106
616	DOOR/GATE/HATCH DAM - TG	1	Numeric	106
617	IMPACT GLAZING DAM - WS	1	Numeric	107
618	IMPACT GLAZING DAM - LF	1	Numeric	107
619	IMPACT GLAZING DAM - RF	1	Numeric	107
620	IMPACT GLAZING DAM - LR	1	Numeric	108
621	IMPACT GLAZING DAM - RR	1	Numeric	108
622	IMPACT GLAZING DAM - BL	1	Numeric	109
623	IMPACT GLAZING DAM - RO	1	Numeric	109
624	IMPACT GLAZING DAM - OTH	1	Numeric	109
625	CONTACT GLAZING DAM - WS	1	Numeric	110
626	CONTACT GLAZING DAM - LF	1	Numeric	110
627	CONTACT GLAZING DAM - RF	1	Numeric	111
628	CONTACT GLAZING DAM - LR	1	Numeric	111
629	CONTACT GLAZING DAM - RR	1	Numeric	112
630	CONTACT GLAZING DAM - BL	1	Numeric	112
631	CONTACT GLAZING DAM - RO	1	Numeric	113
632	CONTACT GLAZING DAM - OT	1	Numeric	113
633	TYPE OF GLAZING - WS	2	Numeric	114
634	TYPE OF GLAZING - LF	2	Numeric	114
635	TYPE OF GLAZING - RF	2	Numeric	115
636	TYPE OF GLAZING - LR	2	Numeric	115
637	TYPE OF GLAZING - RR	2	Numeric	116
638	TYPE OF GLAZING - BL	2	Numeric	116
639	TYPE OF GLAZING - ROOF	2	Numeric	117
640	TYPE OF GLAZING - OTHER	2	Numeric	117
641	WIN PRECRASH STAT - WS	1	Numeric	118
642	WIN PRECRASH STAT - LF	1	Numeric	118
643	WIN PRECRASH STAT - RF	1	Numeric	118
644	WIN PRECRASH STAT - LR	1	Numeric	119
645	WIN PRECRASH STAT - RR	1	Numeric	119
646	WIN PRECRASH STAT - BL	1	Numeric	119
647	WIN PRECRASH STAT - RO	1	Numeric	120
648	WIN PRECRASH STAT - OT	1	Numeric	120

NASS Crashworthiness Data System (CDS)
2007 - Interior Damage B

Variable Number	Variable Name	Width	Storage Type	Page Number
701	PSU NUMBER	2	Numeric	121
702	CASE NUMBER	4	Alphabetic	121
703	RECORD NUMBER	2	Numeric	121
704	VERSION NUMBER	2	Numeric	121
705	VEHICLE NUMBER	2	Numeric	122
706	INTRUSION LOCATION (1)	2	Numeric	122
707	INTRUDING COMPONENT (1)	2	Numeric	122
708	INTRUSION MAGNITUDE (1)	1	Numeric	123
709	CRUSH DIRECTION (1)	1	Numeric	124
710	INTRUSION LOCATION (2)	2	Numeric	124
711	INTRUDING COMPONENT (2)	2	Numeric	125
712	INTRUSION MAGNITUDE (2)	1	Numeric	126
713	CRUSH DIRECTION (2)	1	Numeric	126
714	INTRUSION LOCATION (3)	2	Numeric	126
715	INTRUDING COMPONENT (3)	2	Numeric	127
716	INTRUSION MAGNITUDE (3)	1	Numeric	128
717	CRUSH DIRECTION (3)	1	Numeric	128
718	INTRUSION LOCATION (4)	2	Numeric	128
719	INTRUDING COMPONENT (4)	2	Numeric	129
720	INTRUSION MAGNITUDE (4)	1	Numeric	130
721	CRUSH DIRECTION (4)	1	Numeric	130
722	INTRUSION LOCATION (5)	2	Numeric	130
723	INTRUDING COMPONENT (5)	2	Numeric	131
724	INTRUSION MAGNITUDE (5)	1	Numeric	132
725	CRUSH DIRECTION (5)	1	Numeric	132
726	INTRUSION LOCATION (6)	2	Numeric	132
727	INTRUDING COMPONENT (6)	2	Numeric	133
728	INTRUSION MAGNITUDE (6)	1	Numeric	134
729	CRUSH DIRECTION (6)	1	Numeric	134
730	INTRUSION LOCATION (7)	2	Numeric	134
731	INTRUDING COMPONENT (7)	2	Numeric	135
732	INTRUSION MAGNITUDE (7)	1	Numeric	136
733	CRUSH DIRECTION (7)	1	Numeric	136
734	INTRUSION LOCATION (8)	2	Numeric	136
735	INTRUDING COMPONENT (8)	2	Numeric	137
736	INTRUSION MAGNITUDE (8)	1	Numeric	138
737	CRUSH DIRECTION (8)	1	Numeric	138
738	INTRUSION LOCATION (9)	2	Numeric	138
739	INTRUDING COMPONENT (9)	2	Numeric	139
740	INTRUSION MAGNITUDE (9)	1	Numeric	140
741	CRUSH DIRECTION (9)	1	Numeric	140
742	INTRUSION LOCATION (10)	2	Numeric	140
743	INTRUDING COMPONENT (10)	2	Numeric	141
744	INTRUSION MAGNITUDE (10)	1	Numeric	142
745	CRUSH DIRECTION (10)	1	Numeric	142
746	STEERING COLUMN TYPE	1	Numeric	142
747	STEERING COLUMN TILT	1	Numeric	143
748	STEERING COLUMN TELESCOP	1	Numeric	143
749	RIM/SPOKE DEFORMATION	2	Numeric	143
750	RIM/SPOKE DEF LOCATION	2	Numeric	144

NASS Crashworthiness Data System (CDS)
2007 - Interior Damage B

<u>Variable Number</u>	<u>Variable Name</u>	<u>Width</u>	<u>Storage Type</u>	<u>Page Number</u>
751	ODOMETER READING	3	Numeric	144
752	INSTRUMENT PANEL DAMAGE	1	Numeric	144
753	KNEE BOLSTER TYPE	1	Numeric	145
754	KNEE BOLSTERS DEFORMED	1	Numeric	145
755	GLOVE COMPART DOOR OPEN	1	Numeric	145
756	ADAPTIVE TECHNOLOGY	1	Numeric	146

NASS Crashworthiness Data System (CDS)
2007 - Occupant Assessment

Variable Number	Variable Name	Width	Storage Type	Page Number
801	PSU NUMBER	2	Numeric	147
802	CASE NUMBER	4	Alphabetic	147
803	RECORD NUMBER	2	Numeric	147
804	VERSION NUMBER	2	Numeric	147
805	VEHICLE NUMBER	2	Numeric	148
806	OCCUPANT NUMBER	2	Numeric	148
807	AGE	2	Numeric	148
808	SEX	1	Numeric	148
809	HEIGHT	3	Numeric	149
810	WEIGHT	3	Numeric	149
811	OCCUPANT'S ROLE	1	Numeric	149
812	OCCUPANT'S SEAT POSITION	2	Numeric	150
813	OCCUPANT'S POSTURE	2	Numeric	150
814	EJECTION	1	Numeric	151
815	EJECTION AREA	1	Numeric	151
816	EJECTION MEDIUM	1	Numeric	152
817	MEDIUM STATUS	1	Numeric	152
818	ENTRAPMENT	1	Numeric	152
819	OCCUPANT MOBILITY	1	Numeric	153
820	MANUAL BELT AVAILABILITY	1	Numeric	153
821	MANUAL BELT USE	2	Numeric	153
822	MANUAL BELT PROPER USE	1	Numeric	154
823	MANUAL BELT FAILURE	1	Numeric	154
824	SHOULDER BELT ANCHOR ADJ	1	Numeric	155
825	AUTO RESTRAINT AVAILABLE	1	Numeric	155
826	AUTO (PASSIV) SYSTEM USE	1	Numeric	155
827	AUTO BELT SYSTEM TYPE	1	Numeric	156
828	PROPER USE OF AUTO BELT	1	Numeric	156
829	AUTO BELT FAILURE MODES	1	Numeric	156
830	PAR RESTRAINT USE	1	Numeric	157
831	AIR BAG AVAIL/FUN POLICE	1	Numeric	157
832	AIR BAG AVAIL/FUNCTION	1	Numeric	157
833	AIR BAG DEPLOYMENT	1	Numeric	158
834	AB AVAIL/OTHER	1	Numeric	158
835	AIR BAG DEPLOY/OTHER	1	Numeric	159
836	AIR BAG SYSTEM FAILURE	1	Numeric	159
837	AB DEPLOY/PREVIOUS ACC	1	Numeric	159
838	AIR BAG TYPE	1	Numeric	160
839	AIR BAG MAINTENANCE	1	Numeric	160
840	AIR BAG EVENT NUMBER	2	Numeric	160
841	CDC OF AIR BAG DEPLOY	1	Numeric	161
842	AB ASSOC LONG DELTA V	4	Numeric	161
843	AB FLAPS OPEN CORRECTLY	1	Numeric	162
844	AB FLAPS DAMAGED	1	Numeric	162
845	AB DAMAGED	2	Numeric	162
846	AB DAMAGE SOURCE	2	Numeric	163
847	AB TETHERED	1	Numeric	164
848	AIR BAG VENT PORTS	1	Numeric	164
849	AB CONTACTED BY OTHER OC	1	Numeric	164
850	EYEWEAR WORN	1	Numeric	164

NASS Crashworthiness Data System (CDS)
2007 - Occupant Assessment

Variable Number	Variable Name	Width	Storage Type	Page Number
851	HEAD RESTRAINT TYPE/DAM	1	Numeric	165
852	SEAT TYPE	2	Numeric	165
853	SEAT ORIENTATION	1	Numeric	166
854	SEAT TRACK	1	Numeric	166
855	SEAT BACK INCLINE	2	Numeric	166
856	SEAT PERFORMANCE	2	Numeric	167
857	CHILD SEAT MAKE/MODEL	3	Numeric	168
858	CHILD SEAT TYPE	1	Numeric	169
859	CHILD SEAT ORIENTATION	2	Numeric	170
860	CHILD SEAT HARNESS USE	2	Numeric	170
861	CHILD SEAT SHIELD USE	2	Numeric	171
862	CHILD SEAT TETHER USE	2	Numeric	171
863	INJURY SEVERITY	1	Numeric	172
864	TREATMENT/MORTALITY	1	Numeric	172
865	TYPE OF MEDICAL FACILITY	1	Numeric	173
866	HOSPITAL STAY	2	Numeric	173
867	WORKING DAYS LOST	2	Numeric	173
868	TIME TO DEATH	2	Numeric	174
869	CAUSE OF DEATH-1-MED REP	2	Numeric	174
870	CAUSE OF DEATH-2-MED REP	2	Numeric	175
871	CAUSE OF DEATH-3-MED REP	2	Numeric	175
872	NUM RECORDED INJURIES	2	Numeric	175
873	GLASGOW COMA SCALE SCORE	2	Numeric	176
874	WAS OCCUPANT GIVEN BLOOD	1	Numeric	176
875	ARTERIAL BLOOD GASES	2	Numeric	176
876	BELT USE DETERMINATION	1	Numeric	177
877	MAXIMUM KNOWN AIS	1	Numeric	177
878	INJURY SEVERITY SCORE	2	Numeric	177

NASS Crashworthiness Data System (CDS)
2007 - Occupant Injury

Variable Number	Variable Name	Width	Storage Type	Page Number
901	PSU NUMBER	2	Numeric	179
902	CASE NUMBER	4	Alphabetic	179
903	RECORD NUMBER	2	Numeric	179
904	VERSION NUMBER	2	Numeric	179
905	VEHICLE NUMBER	2	Numeric	180
906	OCCUPANT NUMBER	2	Numeric	180
907	INJURY NUMBER	2	Numeric	180
908	INJURY DATA SOURCE	2	Numeric	180
909	BODY REGION - AIS90	1	Numeric	181
910	ASPECT - AIS90	1	Numeric	181
911	TYPE OF ANATOMIC STRUCT	1	Numeric	182
912	SPECIFIC ANATOMIC STRUCT	2	Numeric	182
913	LEVEL OF INJURY	2	Numeric	183
914	AIS SEVERITY	1	Numeric	183
915	INJURY SOURCE	3	Numeric	183
916	CONFIDENCE LEVEL	1	Numeric	187
917	DIRECT/INDIRECT INJURY	1	Numeric	187
918	INTRUSION NUMBER	2	Numeric	188
919	OIC - BODY REGION	2	Numeric	188
920	OIC - LESION	2	Numeric	188
921	OIC - SYSTEM ORGAN	2	Numeric	189

The ACCIDENT Variables
Variables 101 through 120 describe the accident.

Variable 101	PSU NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSU

Primary Sampling Unit Number

20Aug08	Prcnt	Code	Value and Description
153	3.1	2	- PSU Number
141	2.8	82	

Variable 102	CASE NUMBER	Width: 4	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - CASEID

Variable 103	RECORD NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

20Aug08	Prcnt	Code	Value and Description
4963	100.0	1	Accident record

Variable 104	VERSION NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VERSION

20Aug08	Prcnt	Code	Value and Description
4963	100.0	20	Version 20

Variable 105	NUM GEN VEH FORMS SUBMIT	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VEHFORMS

Number of General Vehicle forms submitted

20Aug08	Prcnt	Code	Value and Description
1729	34.8	1	1 vehicle form
2630	53.0	2	2 vehicle forms
474	9.6	3	3 vehicle forms
107	2.2	4	4 vehicle forms
17	0.3	5	5 vehicle forms
4	0.1	6	6 vehicle forms
1	0.0	8	8 vehicle forms
1	0.0	9	9 vehicle forms

Variable 106	ACCIDENT MONTH	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - MONTH

20Aug08	Prcnt	Code	Value and Description
425	8.6	1	January
399	8.0	2	February
464	9.3	3	March
422	8.5	4	April
411	8.3	5	May
430	8.7	6	June
405	8.2	7	July
416	8.4	8	August
409	8.2	9	September
408	8.2	10	October
380	7.7	11	November
394	7.9	12	December

Variable 107	ACCIDENT YEAR	Width: 4	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - YEAR

20Aug08	Prcnt	Code	Value and Description
4963	100.0	2007	2007

<u>Variable 108</u>	<u>ACCIDENT DAY OF WEEK</u>	Width: 1	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - DAYWEEK

20Aug08	Prcnt	Code	Value and Description
748	15.1	1	Sunday
656	13.2	2	Monday
637	12.8	3	Tuesday
667	13.4	4	Wednesday
657	13.2	5	Thursday
809	16.3	6	Friday
789	15.9	7	Saturday

<u>Variable 109</u>	<u>ACCIDENT TIME</u>	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

NHTSA SAS Variable - TIME

Accident time of day - 2400-hour clock

20Aug08	Prcnt	Code	Value and Description
4	0.1	1	12:01 am
		-	
1	0.0	2359	11:59 pm
0	0.0	2400	Midnight
47	0.9	9999	Unknown

<u>Variable 110</u>	<u>NUM EVENTS RECORDED</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - EVENTS

Number of events recorded in the accident

20Aug08	Prcnt	Code	Value and Description
2395	48.3	1	
		-	Number of events
1	0.0	15	

Variable 111	MAXIMUM TREATMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ATREAT

20Aug08	Prcnt	Code	Value and Description
1105	22.3	0	No treatment
444	8.9	1	Fatal
13	0.3	2	Fatal - ruled disease
1424	28.7	3	Hospitalization
1720	34.7	4	Transported and released
35	0.7	5	Treatment at scene
104	2.1	6	Treatment later
0	0.0	7	Treatment - other
55	1.1	8	Transported to a medical facility - unknown if treated
63	1.3	9	Unknown

Variable 112	MAXIMUM KNOWN AIS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - AAIS

20Aug08	Prcnt	Code	Value and Description
1023	20.6	0	Not injured
1768	35.6	1	Minor injury
594	12.0	2	Moderate injury
637	12.8	3	Serious injury
316	6.4	4	Severe injury
225	4.5	5	Critical injury
95	1.9	6	Maximum (untreatable) injury
226	4.6	7	Injury, unknown severity
79	1.6	9	Unknown if injured

Variable 113	NUM SERIOUSLY INJ OCC	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - AINJSER

Total persons with TREATMENT-MORTALITY=1 or AIS=3-6

20Aug08	Prcnt	Code	Value and Description
3606	72.7	0	None
1119	22.5	1	- Number of persons
1	0.0	7	
3	0.1	99	Unknown

Variable 114	NUM INJURED OCCUPANTS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - AINJURED

Total persons with TREATMENT-MORTALITY=1 or AIS=1-7

20Aug08	Prcnt	Code	Value and Description
1099	22.1	0	None
2110	42.5	1	
		-	Number of persons
3	0.1	9	
3	0.1	99	Unknown

Variable 115	ALCOHOL INVOLVEMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ALCINV

Was alcohol involved in the accident?

20Aug08	Prcnt	Code	Value and Description
860	17.3	1	Yes
3167	63.8	2	No
936	18.9	9	Unknown

Variable 116	RATIO INFLATION FACTOR	Width: 8	Type: Numeric
		Dec: 3	Miss: None

Case sample weight

Sample weight assigned to each case representing the probability of sampling. Untrimmed - One case had a weight above 50000.000 (74253.44) NHTSA SAS Variable - RATWGT

Variable 117	RATIO INFLATION FACTOR U	Width: 8	Type: Numeric
		Dec: 3	Miss: None

Case sample weight

Sample weight assigned to each case representing the probability of sampling. Untrimmed - RATIO INFLATION FACTOR (above) untrimmed - NHTSA SAS Variable - RATWGT_U

Not provided in 2006-2007 datasets

Variable 118	MANNER OF COLLISION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MANCOLL

20Aug08	Prcnt	Code	Value and Description
1943	39.1	0	Not collision with vehicle in transport
744	15.0	1	Rear-end
194	3.9	2	Head-on
1683	33.9	4	Angle
162	3.3	5	Sideswipe, same direction
134	2.7	6	Sideswipe, opposite direction
103	2.1	9	Unknown

Variable 119	PSU STRATRUM	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - STRATIF

20Aug08	Prcnt	Code	Value and Description
262	5.3	1	
		-	
295	5.9	12	

Variable 120	DRUG INVOLVEMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - DRGINV

Was drug usage involved in the accident?

20Aug08	Prcnt	Code	Value and Description
434	8.7	1	Yes
3176	64.0	2	No
1353	27.3	9	Not Coded

The ACCIDENT EVENT SEQUENCE Variables
Variables 201 through 211 describe the accident first event
sequence.

Variable 201	PSU NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSU

20Aug08	Prcnt	Code	Value and Description
153	3.1	2	- PSU Number
141	2.8	82	

Variable 202	CASE NUMBER	Width: 4	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - CASEID

Variable 203	RECORD NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

20Aug08	Prcnt	Code	Value and Description
4963	100.0	2	Event record

Variable 204	VERSION NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VERSION

20Aug08	Prcnt	Code	Value and Description
4963	100.0	20	Version 20

Variable 205	EVENT SEQUENCE NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - ACCSEQ

Chronological sequence of events in the accident

20Aug08	Prcnt	Code	Value and Description
4963	100.0	1	1st event

Variable 206	VEHICLE NUMBER (1)	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VEHNUM

20Aug08	Prcnt	Code	Value and Description
4701	94.7	1	Vehicle #1
233	4.7	2	Vehicle #2
20	0.4	3	Vehicle #3
8	0.2	4	Vehicle #4
1	0.0	5	Vehicle #5

Variable 207	CLASS OF VEHICLE (1)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CLASS1

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	Not a motor vehicle
369	7.4	1	Subcompact/mini (wheelbase < 254 cm)
932	18.8	2	Compact (wheelbase => 254 but < 265 cm)
1073	21.6	3	Intermediate (wheelbase => 265 but < 278 cm)
490	9.9	4	Full size (wheelbase => 278 but < 291 cm)
188	3.8	5	Largest (wheelbase > or = 291 cm)
16	0.3	9	Unknown passenger car size
681	13.7	14	Compact utility vehicle
156	3.1	15	Large utility vehicle (< or = 4,536 kgs GVWR)
35	0.7	16	Utility station wagon (< or = 4,536 kgs GVWR)
0	0.0	19	Unknown utility type
206	4.2	20	Minivan (< or = 4,536 kgs GVWR)
78	1.6	21	Large van (< or = 4,536 kgs GVWR)
0	0.0	24	Van based school bus (< or = 4,536 kgs GVWR)
5	0.1	28	Other van type (< or = 4,536 kgs GVWR)
2	0.0	29	Unknown van type (< or = 4,536 kgs GVWR)
231	4.7	30	Compact Pickup truck (< or = 4,536 kgs GVWR)
417	8.4	31	Large Pickup truck (< or = 4,536 kgs GVWR)
0	0.0	38	Other Pickup truck (< or = 4,536 kgs GVWR)

Variable 207:CLASS OF VEHICLE (1) (Continued)

20Aug08	Prcnt	Code	Value and Description
8	0.2	39	Unknown Pickup truck (< or = 4,536 kgs GVWR)
4	0.1	45	Other light truck (< or = 4,536 kgs GVWR)
2	0.0	48	Unknown light truck (< or = 4,536 kgs GVWR)
0	0.0	49	Unknown light vehicle type
1	0.0	50	School bus (excludes van based) (> 4,536 kgs GVWR)
4	0.1	58	Other bus (> 4,536 kgs GVWR)
1	0.0	59	Unknown bus type
24	0.5	60	Truck (> 4,536 kgs GVWR)
0	0.0	67	Tractor without trailer
22	0.4	68	Tractor-trailer(s)
4	0.1	78	Unknown medium/heavy truck type
3	0.1	79	Unknown light/medium/heavy truck type
4	0.1	80	Motored cycle
1	0.0	90	Other vehicle
6	0.1	99	Unknown

Variable 208	GEN AREA OF DAMAGE (1)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - GADEV1

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	(0) Not a motor vehicle
3105	62.6	1	(F) Front
680	13.7	2	(R) Right Side
645	13.0	3	(L) Left Side
194	3.9	4	(B) Back or TDC: back of unit with cargo area (rear of trailer or straight truck)
2	0.0	5	(D) Back (rear of tractor)
0	0.0	6	(C) Rear of cab
0	0.0	7	(V) Front of cargo area
184	3.7	8	(T) Top
75	1.5	9	(U) Undercarriage
10	0.2	96	(N) Noncollision
68	1.4	99	(9) Unknown

Variable	209	VEH NUM/OBJ CONTACT(2)	Width: 2	Type: Numeric
			Dec: None	Miss: 99

NHTSA SAS Variable - OBJCONT

Vehicle or object contacted

20Aug08	Prcnt	Code	Value and Description
204	4.1	1	Vehicle Number 1
2867	57.8	2	Vehicle Number 2
59	1.2	3	Vehicle Number 3
8	0.2	4	Vehicle Number 4
2	0.0	5	Vehicle Number 5
Noncollision			
237	4.8	31	Overturn - rollover (excludes end-over-end)
1	0.0	32	Rollover - end-over-end
0	0.0	33	Fire or explosion
2	0.0	34	Jackknife
0	0.0	35	Other intraunit damage
0	0.0	36	Noncollision injury
8	0.2	38	Other noncollision
0	0.0	39	Noncollision - details unknown
Collision with fixed object			
41	0.8	41	Tree (< or = 10 cm in diameter)
228	4.6	42	Tree (> 10 cm in diameter)
27	0.5	43	Shrubbery or bush
84	1.7	44	Embankment
34	0.7	45	Breakaway pole or post (any diameter)
Nonbreakaway pole or post			
90	1.8	50	Pole or post (< or = 10 cm in diameter)
138	2.8	51	Pole or post (> 10 or < or = 30 cm in diameter)
51	1.0	52	Pole or post (> 30 cm in diameter)
10	0.2	53	Pole, post - diameter unknown
147	3.0	54	Concrete traffic barrier
8	0.2	55	Impact attenuator
173	3.5	56	Other traffic barrier (includes guardrail)
48	1.0	57	Fence
31	0.6	58	Wall
15	0.3	59	Building
92	1.9	60	Ditch or culvert
25	0.5	61	Ground
11	0.2	62	Fire hydrant
132	2.7	63	Curb
22	0.4	64	Bridge
77	1.6	68	Other fixed object
1	0.0	69	Unknown fixed object
Collision with nonfixed object			
0	0.0	70	Passenger car, light truck, van or other vehicle not in-transport
0	0.0	71	Medium/heavy truck or bus not in-transport

Variable 209:VEH NUM/OBJ CONTACT(2) (Continued)

20Aug08	Prcnt	Code	Value and Description
4	0.1	72	Pedestrian
1	0.0	73	Cyclist or cycle
1	0.0	74	Other nonmotorist or conveyance
0	0.0	75	Vehicle occupant
41	0.8	76	Animal
5	0.1	77	Train
0	0.0	78	Trailer, disconnected in transport
3	0.1	79	Object fell from vehicle in transport
29	0.6	88	Other nonfixed object
2	0.0	89	Unknown nonfixed object
1	0.0	98	Other event
3	0.1	99	Unknown event or object

Variable 210	CLASS OF VEHICLE (2)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CLASS2

20Aug08	Prcnt	Code	Value and Description
1823	36.7	0	Not a motor vehicle
204	4.1	1	Subcompact/mini (wheelbase < 254 cm)
415	8.4	2	Compact (wheelbase => 254 but < 265 cm)
611	12.3	3	Intermediate (wheelbase => 265 but < 278 cm)
284	5.7	4	Full size (wheelbase => 278 but < 291 cm)
113	2.3	5	Largest (wheelbase > or = 291 cm)
22	0.4	9	Unknown passenger car size
445	9.0	14	Compact utility vehicle
125	2.5	15	Large utility vehicle (< or = 4,536 kgs GVWR)
30	0.6	16	Utility station wagon (< or = 4,536 kgs GVWR)
0	0.0	19	Unknown utility type
192	3.9	20	Minivan (< or = 4,536 kgs GVWR)
62	1.2	21	Large van (< or = 4,536 kgs GVWR)
0	0.0	24	Van based school bus (< or = 4,536 kgs GVWR)
8	0.2	28	Other van type (< or = 4,536 kgs GVWR)
1	0.0	29	Unknown van type (< or = 4,536 kgs GVWR)
120	2.4	30	Compact Pickup truck (< or = 4,536 kgs GVWR)
254	5.1	31	Large Pickup truck (< or = 4,536 kgs GVWR)
1	0.0	38	Other Pickup truck (< or = 4,536 kgs GVWR)
10	0.2	39	Unknown Pickup truck (< or = 4,536 kgs GVWR)
7	0.1	45	Other light truck (< or = 4,536 kgs GVWR)
0	0.0	48	Unknown light truck (< or = 4,536 kgs GVWR)
0	0.0	49	Unknown light vehicle type
9	0.2	50	School bus (excludes van based) (> 4,536 kgs GVWR)

Variable 210:CLASS OF VEHICLE (2) (Continued)

20Aug08	Prcnt	Code	Value and Description
11	0.2	58	Other bus (> 4,536 kgs GVWR)
6	0.1	59	Unknown bus type
66	1.3	60	Truck (> 4,536 kgs GVWR)
6	0.1	67	Tractor without trailer
102	2.1	68	Tractor-trailer(s)
22	0.4	78	Unknown medium/heavy truck type
2	0.0	79	Unknown light/medium/heavy truck type
8	0.2	80	Motored cycle
0	0.0	90	Other vehicle
4	0.1	99	Unknown

Variable 211	GEN AREA OF DAMAGE (2)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - GADEV2

20Aug08	Prcnt	Code	Value and Description
1575	31.7	0	(0) Not a motor vehicle
1475	29.7	1	(F) Front
398	8.0	2	(R) Right Side
551	11.1	3	(L) Left Side
674	13.6	4	(B) Back or TDC: back of unit with cargo area (rear of trailer or straight truck)
8	0.2	5	(D) Back (rear of tractor)
1	0.0	6	(C) Rear of cab
1	0.0	7	(V) Front of cargo area
0	0.0	8	(T) Top
0	0.0	9	(U) Undercarriage
248	5.0	96	(N) Noncollision
32	0.6	99	(9) Unknown

The GENERAL VEHICLE Variables

Variables 301 through 408 describe the vehicles involved in the accident.

<hr/> <u>Variable 301</u>	<hr/> <u>PSU NUMBER</u>	<hr/> Width: 2	<hr/> Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSU

20Aug08 Prcnt	Code Value and Description	
248 2.8	2	- PSU Number
280 3.1	82	

<hr/> <u>Variable 302</u>	<hr/> <u>CASE NUMBER</u>	<hr/> Width: 4	<hr/> Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - CASEID

<hr/> <u>Variable 303</u>	<hr/> <u>RECORD NUMBER</u>	<hr/> Width: 2	<hr/> Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

20Aug08 Prcnt	Code Value and Description	
8965 100.0	3	General Vehicle record

<hr/> <u>Variable 304</u>	<hr/> <u>VERSION NUMBER</u>	<hr/> Width: 2	<hr/> Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VERSION

20Aug08 Prcnt	Code Value and Description	
8965 100.0	20	Version 20

NASS Crashworthiness Data System (CDS)
2007 - General Vehicle

Variable 305	VEHICLE NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VEHNUM

20Aug08 Prcnt Code Value and Description

4963	55.4	1	Vehicle #1
3234	36.1	2	Vehicle #2
604	6.7	3	Vehicle #3
130	1.5	4	Vehicle #4
23	0.3	5	Vehicle #5
6	0.1	6	Vehicle #6
2	0.0	7	Vehicle #7
2	0.0	8	Vehicle #8
1	0.0	9	Vehicle #9

Variable 306	MODEL YEAR	Width: 4	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - MODEL YR

20Aug08 Prcnt Code Value and Description

1	0.0	1953	1953
		-	
132	1.5	1990	1990
152	1.7	1991	1991
217	2.4	1992	1992
279	3.1	1993	1993
319	3.6	1994	1994
398	4.4	1995	1995
365	4.1	1996	1996
421	4.7	1997	1997
456	5.1	1998	1998
480	5.4	1999	1999
595	6.6	2000	2000
594	6.6	2001	2001
574	6.4	2002	2002
544	6.1	2003	2003
760	8.5	2004	2004
779	8.7	2005	2005
772	8.6	2006	2006
584	6.5	2007	2007
61	0.7	2008	2008
74	0.8	9999	Unknown

Variable 307	VEHICLE MAKE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - MAKE

20Aug08	Prcnt	Code	Value and Description
0	0.0	1	American Motors
222	2.5	2	Jeep (includes Kaiser-Jeep)
2	0.0	3	AM General
236	2.6	6	Chrysler
566	6.3	7	Dodge
0	0.0	8	Imperial
62	0.7	9	Plymouth
7	0.1	10	Eagle
1533	17.1	12	Ford
87	1.0	13	Lincoln
146	1.6	14	Mercury
213	2.4	18	Buick
101	1.1	19	Cadillac
1400	15.6	20	Chevrolet
163	1.8	21	Oldsmobile
363	4.0	22	Pontiac
228	2.5	23	GMC
127	1.4	24	Saturn
1	0.0	25	Grumman
0	0.0	29	Other domestic
113	1.3	30	Volkswagen
0	0.0	31	Alfa Romeo
21	0.2	32	Audi
0	0.0	33	Austin/Austin Healey
92	1.0	34	BMW
454	5.1	35	Nissan/Datsun
0	0.0	36	Fiat
634	7.1	37	Honda
40	0.4	38	Isuzu
7	0.1	39	Jaguar
0	0.0	40	Lancia
142	1.6	41	Mazda
73	0.8	42	Mercedes Benz
0	0.0	43	MG
0	0.0	44	Peugeot
3	0.0	45	Porsche
0	0.0	46	Renault
13	0.1	47	Saab
81	0.9	48	Subaru
773	8.6	49	Toyota
0	0.0	50	Triumph
67	0.7	51	Volvo
118	1.3	52	Mitsubishi
42	0.5	53	Suzuki
99	1.1	54	Acura
159	1.8	55	Hyundai
0	0.0	56	Merkur
0	0.0	57	Yugo
48	0.5	58	Infiniti

Variable 307:VEHICLE MAKE (Continued)

20Aug08	Prcnt	Code	Value and Description
101	1.1	59	Lexus
0	0.0	60	Daihatsu
0	0.0	61	Sterling
9	0.1	62	Land Rover
113	1.3	63	KIA
4	0.0	64	Daewoo
8	0.1	65	Cooper
3	0.0	69	Other foreign
0	0.0	70	BSA
0	0.0	71	Ducati
6	0.1	72	Harley-Davidson
0	0.0	73	Kawasaki
0	0.0	74	Moto-Guzzi
0	0.0	75	Norton
1	0.0	76	Yamaha
0	0.0	78	Other make moped
0	0.0	79	Other motored cycle
0	0.0	80	Brockway
0	0.0	81	Diamond Reo, Reo
70	0.8	82	Freightliner/White Freightliner/White
0	0.0	83	FWD
46	0.5	84	International Harvester/Navistar
17	0.2	85	Kenworth
18	0.2	86	Mack
30	0.3	87	Peterbilt
0	0.0	88	Iveco/Magirus
41	0.5	98	Other make
62	0.7	99	Unknown make

Variable 308	MAKE/MODEL	Width: 5	Type: Numeric
		Dec: None	Miss: 99999

NHTSA SAS Variables - MAKE+MODEL

20Aug08	Prcnt	Code	Value and Description
American Motors			
Jeep			
1	0.0	2001	Jeep Compass
5	0.1	2401	CJ-2/CJ-3/CJ-4
8	0.1	2402	CJ-5/CJ-6/CJ-7/CJ-8
20	0.2	2403	YJ-Wrangler
144	1.6	2404	Cherokee (84 on)
33	0.4	2405	JEEP Liberty
6	0.1	2406	Commander
2	0.0	2431	Grand Wagoneer
1	0.0	2481	Pickup
1	0.0	2482	Comanche
1	0.0	2499	Unk Light Truck

Variable 308:MAKE/MODEL (Continued)

20Aug08 Prcnt Code Value and Description

20Aug08	Prcnt	Code	Value and Description
			AM General
1	0.0	3402	AM Hummer H3
1	0.0	3421	Hummer
			Chrysler
1	0.0	6010	Newport/New Yorker (thru 78)/5th Avenue/Imperial (79-81)
10	0.1	6014	New Yorker/E-Class/Imperial (90-on)/Fifth Avenue
11	0.1	6016	Lebaron
2	0.0	6017	Lebaron GTS/GTC
1	0.0	6018	Intrepid
11	0.1	6041	Concorde
2	0.0	6042	LHS
52	0.6	6043	Sebring
7	0.1	6044	Cirrus
39	0.4	6051	CHRY 300M
43	0.5	6052	CHRY PT Cruiser
16	0.2	6054	CHRY Pacifica
3	0.0	6055	CHRY Crossfire
1	0.0	6399	Unk Auto
31	0.3	6441	Town & Country (Minivan)
6	0.1	6442	Voyager
			Dodge
2	0.0	7001	Dart
1	0.0	7004	Viper
1	0.0	7007	Diplomat
1	0.0	7008	Omni/Charger (83 on)
1	0.0	7010	St Regis
1	0.0	7011	Aries (K)
1	0.0	7014	600
3	0.0	7017	Shadow
5	0.1	7018	Dynasty
3	0.0	7019	Spirit
61	0.7	7020	Neon
5	0.1	7021	Magnum
12	0.1	7024	Charger (2006+)
10	0.1	7025	Caliber
5	0.1	7026	Avenger
3	0.0	7034	Colt (excludes Vista)
1	0.0	7039	Stealth
35	0.4	7041	Intrepid
5	0.1	7042	Avenger
70	0.8	7043	Stratus
2	0.0	7421	Ramchager
52	0.6	7422	Durango
104	1.2	7442	Caravan
16	0.2	7461	B-series Van
3	0.0	7462	Sprinter
2	0.0	7470	Van Derivative
57	0.6	7472	Dakota
11	0.1	7481	D,W-series Pickup

Variable 308:MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
92	1.0	7482	Ram 1500/2500/3500 P/U
1	0.0	7499	Unk lt Truck
			Imperial
			Plymouth
1	0.0	9006	Volare
4	0.0	9017	Sundance
4	0.0	9019	Acclaim
14	0.2	9020	Neon
2	0.0	9037	Laser
8	0.1	9038	Breeze
29	0.3	9442	Voyager (minivan)
			Eagle
1	0.0	10034	Summit
3	0.0	10037	Talon
3	0.0	10041	Vision
			Ford
92	1.0	12003	Mustang/Mustang II
10	0.1	12004	Thunderbird
2	0.0	12006	Ltd/Galaxy/Custom
1	0.0	12007	Ranchero
62	0.7	12013	Escort/EXP
10	0.1	12015	Tempo
87	1.0	12016	Crown Victoria
165	1.8	12017	Taurus
7	0.1	12018	Probe
10	0.1	12021	500
4	0.0	12022	Freestyle
12	0.1	12023	Fusion
4	0.0	12024	Edge
2	0.0	12033	Festiva
25	0.3	12035	Contour
3	0.0	12036	Aspire
101	1.1	12037	Focus
4	0.0	12399	Unk Auto
220	2.5	12401	Bronco II/Bronco (thru 77)/Explorer
44	0.5	12402	Escape
8	0.1	12421	Bronco-fullsize (78 on)
74	0.8	12422	Expedition
5	0.1	12431	Excursion
11	0.1	12441	Aerostar
38	0.4	12442	Windstar
4	0.0	12443	Freestar
75	0.8	12461	E-series Van
2	0.0	12470	Van derivative
105	1.2	12471	Ranger
1	0.0	12472	Courier
5	0.1	12473	Sport Trac
295	3.3	12481	F-series Pickup

Variable 308:MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
5	0.1	12498	Other lt truck
2	0.0	12499	Unk lt truck
16	0.2	12880	F450/550 Pickup > 4536 GVWR
7	0.1	12881	Med/Hvy CBE
1	0.0	12884	Med/Hvy unk engine location
10	0.1	12898	Other Med/Hvy truck
2	0.0	12899	Unk Med/Hvy truck
1	0.0	12981	Medium Bus
1	0.0	12988	Other Bus
Lincoln			
47	0.5	13001	Town Car/Continental
2	0.0	13002	Mark I - VIII
4	0.0	13005	Continental (82 on)
11	0.1	13012	LS
3	0.0	13013	Zephyr
1	0.0	13014	MKX
1	0.0	13399	Unk Auto
4	0.0	13401	Aviator
13	0.1	13421	Navigator
1	0.0	13482	Mark LT
Mercury			
3	0.0	14004	Cougar/XR7
41	0.5	14006	Marquis/Monterey
1	0.0	14010	Montego
2	0.0	14015	Topaz
35	0.4	14017	Sable
7	0.1	14021	Milan
11	0.1	14036	Tracer
2	0.0	14037	Mystique
11	0.1	14038	Cougar
20	0.2	14401	Mountaineer
13	0.1	14443	Villager
Buick			
59	0.7	18002	Lesabre/Wildcat/Centurion
25	0.3	18003	Electra/Electra 225/Park Avenue (91 on)
6	0.1	18004	Roadmaster
10	0.1	18005	Riviera
53	0.6	18007	Century
16	0.2	18010	Regal
2	0.0	18015	Skylark (76-85)
7	0.1	18018	Somerset/Skylark(86 on)
12	0.1	18020	Regal FWD
2	0.0	18022	Lacross
7	0.1	18023	Lucerine
9	0.1	18401	Rendezvous
5	0.1	18402	Rainier
Cadillac			
37	0.4	19003	Deville/Fleetwood (except Limousine)

Variable 308:MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
5	0.1	19005	Eldorado
13	0.1	19014	Seville
3	0.0	19017	Catera
17	0.2	19018	CTS
3	0.0	19020	SRX
8	0.1	19021	STS
3	0.0	19022	DTS
1	0.0	19398	Other Auto
2	0.0	19399	Unk Auto
8	0.1	19421	Escalade
1	0.0	19431	Escalade ESV
Chevrolet			
2	0.0	20001	Malibu/Chevelle
122	1.4	20002	Caprice/Impala
8	0.1	20004	Corvette
2	0.0	20007	El Camino
3	0.0	20008	Nova (-79)
23	0.3	20009	Camaro
6	0.1	20010	Monte Carlo
1	0.0	20015	Citation
129	1.4	20016	Cavalier
6	0.1	20017	Celebrity
21	0.2	20019	Baretta/Corsica
52	0.6	20020	Lumina
61	0.7	20022	Cobalt
7	0.1	20023	HHR
30	0.3	20032	Nova/Geo Prizm
9	0.1	20034	Geo Metro
4	0.0	20035	Geo Storm
40	0.4	20036	Monte Carlo (FWD only)
103	1.1	20037	Malibu
11	0.1	20039	Aveo
1	0.0	20399	Unk Auto
71	0.8	20401	S-10 Blazer
12	0.1	20402	Geo Tracker
71	0.8	20403	Trailblazer (2002+)
17	0.2	20404	Equinox
70	0.8	20421	Blazer-fullsize
52	0.6	20431	Suburban
37	0.4	20441	Astro Van
24	0.3	20442	Lumina APV
4	0.0	20444	Uplander
54	0.6	20461	G-series Van
1	0.0	20470	Van Derivative
54	0.6	20471	S-10,T-10
19	0.2	20473	Colorado
239	2.7	20481	C,K,R,V-series Pickup
17	0.2	20482	Avalanche
8	0.1	20498	Other lt truck
3	0.0	20499	Unk lt truck
2	0.0	20881	Med/Hvy CBE

Variable 308:MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
1	0.0	20884	Med/Hvy Unk engine location
1	0.0	20898	Other med/hvy trk
1	0.0	20899	Unk med/hvy trk
1	0.0	20999	Unknown vehicle
Oldsmobile			
5	0.1	21001	Cutlass (RWD only)
21	0.2	21002	Delta 88
10	0.1	21003	Ninety-Eight
1	0.0	21005	Toronado
14	0.2	21017	Ciera
2	0.0	21018	Calais
31	0.3	21020	Cutlass (FWD)
5	0.1	21021	Achieva
5	0.1	21022	Aurora
17	0.2	21023	Intrigue
33	0.4	21024	Alero
9	0.1	21401	Bravada
10	0.1	21441	Silhouette
Pontiac			
1	0.0	22001	Lemans/Tempest (thru 79)
28	0.3	22002	Bonneville/Catalina/Parisienne
1	0.0	22005	Fiero
3	0.0	22008	Ventura
5	0.1	22009	Firebird/Trans AM
1	0.0	22010	Grand Prix RWD
3	0.0	22012	Sunbird (thru 80)
1	0.0	22013	T-1000/1000
37	0.4	22016	J2000/2000/Sunbird(84 on)
85	0.9	22018	Grand AM
3	0.0	22019	G5
106	1.2	22020	Grand Prix FWD
44	0.5	22022	G6
7	0.1	22401	Aztek
14	0.2	22402	Vibe
7	0.1	22403	Torrent
17	0.2	22441	Trans Sport
GMC			
1	0.0	23008	Arcadia
1	0.0	23399	Unk Auto
62	0.7	23401	Jimmy/Typhoon S-15 based
40	0.4	23421	Jimmy fullsize/Yukon
6	0.1	23431	Suburban
12	0.1	23441	Safari (Minivan)
16	0.2	23461	G-series Van
2	0.0	23470	Van Derivative
12	0.1	23471	S15/T15/Somona
3	0.0	23472	Canyon
62	0.7	23481	C,K,R,V-series Pickup
2	0.0	23498	Other lt truck

Variable 308:MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
1	0.0	23881	Med/Hvy CBE
1	0.0	23882	Med/Hvy COE low entry
3	0.0	23898	Other med/hvy trk
3	0.0	23899	Unk med/hvy trk
1	0.0	23999	Unknown vehicle
Saturn			
39	0.4	24001	SL
16	0.2	24002	SC
6	0.1	24003	SW
12	0.1	24005	LS
1	0.0	24006	LW
36	0.4	24007	Ion
1	0.0	24399	Unk Auto
14	0.2	24401	Vue
2	0.0	24441	Relay
Grumman			
1	0.0	25441	LLV Postal
Other Domestic			
Volkswagen			
1	0.0	30031	Karmann Ghia
4	0.0	30032	Beetle 1300/1500
1	0.0	30033	Super Beetle
2	0.0	30036	Rabbit
42	0.5	30040	Jetta
14	0.2	30042	Golf
1	0.0	30044	Fox
1	0.0	30045	Corrado
21	0.2	30046	Passat
4	0.0	30047	Jetta III
5	0.1	30048	Golf III
13	0.1	30049	New Beetle
2	0.0	30421	Touareg
2	0.0	30442	Eurovan
Alfa Romeo			
Audi			
7	0.1	32032	100/A6
1	0.0	32034	4000
1	0.0	32037	200
1	0.0	32040	S4/S6
9	0.1	32042	A4
2	0.0	32401	Q7
Austin/Austin Healey			

Variable 308:MAKE/MODEL (Continued)

20Aug08 Prcnt Code Value and Description

			BMW
2	0.0	34032	Coupe
48	0.5	34034	3-series
19	0.2	34035	5-series
12	0.1	34037	7-series
1	0.0	34042	Z4
9	0.1	34401	X5
1	0.0	34402	X3
			Nissan/Datsun
4	0.0	35032	200SX/240SX
2	0.0	35034	Z-car, ZX
82	0.9	35039	810/Maxima
5	0.1	35042	Stanza
73	0.8	35043	Sentra
130	1.5	35047	Altima
11	0.1	35048	350Z
10	0.1	35049	Murano
6	0.1	35050	Versa
41	0.5	35401	Pathfinder
22	0.2	35402	XTerra
4	0.0	35421	Pathfinder Amada
15	0.2	35443	Quest
37	0.4	35471	Pickup / Frontier
11	0.1	35481	Titan
1	0.0	35499	Unk lt truck
			Fiat
			Honda
234	2.6	37031	Civic/CRX, del Sol
273	3.0	37032	Accord
9	0.1	37033	Prelude
3	0.0	37035	S2000
7	0.1	37039	Fit
2	0.0	37399	Unk Auto
3	0.0	37401	Passport
43	0.5	37402	C-RV (small sport utility vehicle)
4	0.0	37403	Element
13	0.1	37421	Pilot
35	0.4	37441	Odyssey
3	0.0	37471	Ridgeline
1	0.0	37705	450-749cc
2	0.0	37706	750cc & over
2	0.0	37709	Unk cc
			Isuzu
5	0.1	38401	Trooper/Trooper II
18	0.2	38402	Rodeo
1	0.0	38403	Amigo
2	0.0	38405	Axiom
2	0.0	38421	Ascender

Variable 308:MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
3	0.0	38471	P'up Pickup (thru 95) / Hombre (96 - on)
2	0.0	38881	Med/Hvy CBE
4	0.0	38882	Med/Hvy COE low entry
1	0.0	38883	Med/Hvy COE high entry
1	0.0	38884	Med/Hvy unk engine location
1	0.0	38898	Other med/hvy trk
Jaguar			
2	0.0	39032	XJ6/12 Sedan/Coupe
4	0.0	39034	X100
1	0.0	39035	X-type
Lancia			
Mazda			
2	0.0	41034	RX7
20	0.2	41035	GLC/323/Protege
26	0.3	41037	626
1	0.0	41043	929
3	0.0	41044	MX-6
7	0.1	41045	Miata
2	0.0	41046	MX-3
7	0.1	41047	Millenia
5	0.1	41049	RX-8
13	0.1	41050	Mazda 6
26	0.3	41051	Mazda 3
1	0.0	41052	Mazda 5
1	0.0	41053	Mazda CX-7
1	0.0	41401	Navajo
7	0.1	41402	Tribute
8	0.1	41441	MPV
11	0.1	41471	Mazda Pickup
1	0.0	41499	Unk lt truck
Mercedes Benz			
19	0.2	42031	200/220/230/240/250/260/280/300 Sedan/Coupe
1	0.0	42032	230/280 SL 2-pass
1	0.0	42034	350/380/420/450/560 SLC
1	0.0	42035	280/300 SEL
7	0.1	42036	380/420/450/500/560 SEL, 500/560 SEC, 300/350 SDL
5	0.1	42039	190
5	0.1	42040	300
3	0.0	42041	400/500 E
2	0.0	42042	220/280 C
2	0.0	42043	S Class
3	0.0	42044	SL Class
3	0.0	42045	SLK
2	0.0	42046	CL Class
4	0.0	42047	CLK
7	0.1	42048	E Class
2	0.0	42051	CLS Class
6	0.1	42401	M

Variable 308:MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
			MG
			Peugeot
			Porsche
1	0.0	45031	911
1	0.0	45040	Boxster
1	0.0	45421	Cayenne
			Renault
			Saab
5	0.1	47031	99/99E/900
2	0.0	47034	9000
4	0.0	47035	9-3
2	0.0	47036	9-5
			Subaru
2	0.0	48031	DL/FE/G/GF/GL/GLF/STD/Loyale (90 on)
28	0.3	48034	Legacy
21	0.2	48038	Impreza
1	0.0	48044	Baja
14	0.2	48045	Outback (2003+)
1	0.0	48399	Unk auto
13	0.1	48401	Forester
1	0.0	48402	B9 Tribeca
			Toyota
165	1.8	49032	Corolla
14	0.2	49033	Celica
3	0.0	49034	Supra
1	0.0	49035	Cressida
12	0.1	49038	Tercel
218	2.4	49040	Camry
1	0.0	49042	Paseo
20	0.2	49043	Avalon
15	0.2	49044	Solara
4	0.0	49045	Echo
11	0.1	49046	Prius
13	0.1	49048	Scion XA
7	0.1	49049	Scion XB
24	0.3	49050	Scion TC
8	0.1	49051	Yaris
1	0.0	49399	Unk auto
53	0.6	49401	4-Runner
20	0.2	49402	RAV-4
22	0.2	49403	Highlander
15	0.2	49404	Matrix
4	0.0	49405	FJ Cruiser
2	0.0	49421	Landcruiser
3	0.0	49422	Sequoia
6	0.1	49441	Minivan (84-90)/Previa (91 on)

Variable 308:MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
26	0.3	49442	Sienna
20	0.2	49471	Pickup
55	0.6	49472	Tacoma
3	0.0	49481	T-100
25	0.3	49482	Tundra
1	0.0	49498	Other lt truck
1	0.0	49499	Unk lt truck
			Triumph
			Volvo
3	0.0	51034	240/242/244/245
3	0.0	51039	740
1	0.0	51040	940
5	0.1	51042	850
15	0.2	51043	70
5	0.1	51045	80
4	0.0	51046	40 Series
7	0.1	51047	60 Series
3	0.0	51401	XC90
9	0.1	51881	Med/Hvy CBE
6	0.1	51884	Med/Hvy unk engine location
1	0.0	51898	Other med/hvy trk
5	0.1	51899	Unk med/hvy trk
			Mitsubishi
33	0.4	52034	Galant
11	0.1	52035	Mirage
22	0.2	52037	Eclipse
1	0.0	52039	3000 GT
4	0.0	52040	Diamante
19	0.2	52046	Lancer
13	0.1	52401	Montero
3	0.0	52402	Outlander
6	0.1	52403	Endeavor
2	0.0	52442	Expo Wagon
1	0.0	52471	Pickup
1	0.0	52882	Med/Hvy COE low entry
2	0.0	52899	Unk med/hvy truck
			Suzuki
2	0.0	53034	Swift
2	0.0	53035	Esteem
5	0.1	53036	Aerio
10	0.1	53037	Forenza
2	0.0	53038	Verona
1	0.0	53039	Reno
1	0.0	53401	Samarai
3	0.0	53403	X-90
10	0.1	53404	Grand Vitara
4	0.0	53405	XL7
1	0.0	53706	750cc & over

Variable 308:MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
1	0.0	53709	Unk cc
			Acura
26	0.3	54031	Integra
17	0.2	54032	Legend (86-95) / RL (96-on)
1	0.0	54034	Vigor
27	0.3	54035	CL
9	0.1	54038	RSX
4	0.0	54039	TSX
1	0.0	54399	Unk auto
14	0.2	54421	MDX
			Hyundai
26	0.3	55033	Sonata
1	0.0	55034	Scoupe
57	0.6	55035	Elantra
22	0.2	55036	Accent
12	0.1	55037	Tiburon
3	0.0	55038	XG300
3	0.0	55039	Azera
1	0.0	55399	Unk auto
27	0.3	55401	Santa Fe
6	0.1	55402	Tucson
1	0.0	55441	Entourage
			Merkur
			Yugo
			Infiniti
1	0.0	58031	M30
9	0.1	58032	Q45
4	0.0	58033	G20
3	0.0	58034	J30
5	0.1	58035	I30
2	0.0	58036	I35
13	0.1	58037	G35
1	0.0	58038	M45
6	0.1	58039	EX35 / 45
3	0.0	58401	T30
1	0.0	58421	QX56
			Lexus
27	0.3	59031	ES-250/ES-300
14	0.2	59032	LS-400
3	0.0	59033	SC-400/SC-300
10	0.1	59034	GS-300
11	0.1	59035	IS-300
1	0.0	59399	Unk auto
26	0.3	59401	RX 300
3	0.0	59402	GX 470
5	0.1	59421	LX 450/470

Variable 308:MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
1	0.0	59499	Unk light truck
			Daihatsu
			Sterling
			Land Rover
6	0.1	62401	Discovery (LR)
2	0.0	62422	Defender / 4.0 SE (RR)
1	0.0	62423	LR3
			KIA
15	0.2	63031	Sephia
30	0.3	63032	Spectra
14	0.2	63033	Rio
12	0.1	63034	Optima
1	0.0	63035	Amanti
23	0.3	63401	Sportage
10	0.1	63402	Sorrento
8	0.1	63441	Sedona
			DAEWOO
2	0.0	64032	Nubira
2	0.0	64033	Leganza
			Cooper
8	0.1	65031	Mini Cooper, Cooper S
			Other Imports
1	0.0	69031	Aston Martin
1	0.0	69035	Ferrari
1	0.0	69042	Rolls Royce/Bentley
			BSA
			Ducati
			Harley-Davidson
5	0.1	72706	750cc & over
1	0.0	72709	Unk cc
			Kawasaki
			Moto-Guzzi
			Norton
			Yamaha
1	0.0	76709	Unk cc
			Other Make Moped

Variable 308:MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
			Other Make Motored Cycle
			Brockway
			Diamond Reo/Reo
			Freightliner/White
1	0.0	82461	Sprinter/Advantage (light panel truck)
1	0.0	82850	M/H truck based motorhome
33	0.4	82881	Med/Hvy CBE
3	0.0	82883	Med/Hvy COE high entry
16	0.2	82884	Med/Hvy Unk engine location
5	0.1	82890	Med/Hvy COE Unk entry position
1	0.0	82898	Other med/hvy trk
7	0.1	82899	Unk med/hvy trk
1	0.0	82981	Conventional Bus
2	0.0	82983	Bus-flat front, rear engine
			FWD
			International Harvester/Navistar
22	0.2	84881	Med/Hvy CBE
2	0.0	84883	Med/Hvy COE high entry
5	0.1	84884	Med/Hvy unk engine location
1	0.0	84890	Med/Hvy COE unk entry position
4	0.0	84898	Other med/hvy trk
2	0.0	84899	Unk med/hvy trk
2	0.0	84981	Conventional Bus
1	0.0	84982	Bus-flat front, front engine
2	0.0	84988	Other bus
5	0.1	84989	Unknown bus type
			Kenworth
1	0.0	85850	M/H truck based motorhome
12	0.1	85881	Med/Hvy CBE
1	0.0	85884	Med/Hvy Unk engine location
1	0.0	85890	Med/Hvy COE Unk entry position
2	0.0	85899	Unk med/hvy trk
			Mack
8	0.1	86881	Med/Hvy CBE
2	0.0	86882	Med/Hvy COE low entry
2	0.0	86883	Med/Hvy COE high entry
3	0.0	86884	Med/Hvy Unk engine location
2	0.0	86890	Med/Hvy COE Unk entry position
1	0.0	86898	Other med/hvy trk
			Peterbilt
18	0.2	87881	Med/Hvy CBE
7	0.1	87884	Med/Hvy Unk engine location
1	0.0	87890	Med/Hvy COE Unk entry position
1	0.0	87898	Other med/hvy trk

Variable 308:MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
3	0.0	87899	Unk med/hvy trk
			Iveco/Magirus
			Other Make
2	0.0	98804	WESTERN STAR
2	0.0	98806	HINO
10	0.1	98808	STERLING COE/Low entry
1	0.0	98850	M/H truck based motorhome
4	0.0	98898	Other med/hvy trk
2	0.0	98950	Bus based Motorhome
19	0.2	98988	Other bus
1	0.0	98998	Other vehicle
			Unknown Make
22	0.2	99399	Unknown automobile
9	0.1	99499	Unknown light truck
14	0.2	99899	Unk med/hvy trk
7	0.1	99988	Other bus
1	0.0	99989	Unknown bus type
9	0.1	99999	Unk vehicle

Variable 309	BODY TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - BODYTYPE

20Aug08	Prcnt	Code	Value and Description
			Automobiles
97	1.1	1	Convertible (excludes sun roof, t-bar)
729	8.1	2	2-door sedan, hardtop, coupe
192	2.1	3	3-door/2-door hatchback
3766	42.0	4	4-door sedan, hardtop
153	1.7	5	5-door/4-door hatchback
176	2.0	6	Station Wagon (excluding van and truck based)
0	0.0	7	Hatchback, number of doors unknown
1	0.0	8	Other automobile type
68	0.8	9	Unknown automobile type
			Automobile Derivatives
3	0.0	10	Auto based pickup (includes El Camino, Caballero, Ranchero, Brat and Rabbit pickup)
0	0.0	11	Auto based panel (cargo station wagon, includes auto based ambulance/hearse)
0	0.0	12	Large limousine - more than four side doors or stretched chassis
0	0.0	13	Three-wheel automobile or automobile derivative

Variable 309:BODY TYPE (Continued)

20Aug08	Prcnt	Code	Value and Description
			Utility Vehicles (< 4,536 kgs GVWR)
1244	13.9	14	Compact utility (includes Jeep CJ-2 thru Jeep CJ-7, Renegade, Wrangler, Navajo, Bronco, Thing)
318	3.5	15	Large utility (includes Jeep Cherokee, Ram Charger, Trailduster, fullsize Blazer, Scout)
66	0.7	16	Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
3	0.0	17	3-door vehicle
1	0.0	19	Utility unknown body type
			Van Based Light Trucks (< 4,536 kgs GVWR)
444	5.0	20	Minivan (Astro, Caravan, Plymouth Vista, Aerostar, Safari, etc.)
158	1.8	21	Large van (Sportsman, Royal, Ram, Chevy Van, Voyager-Pre83, Econoline, etc.)
5	0.1	22	Step van or walk-in van (< 4,536 kgs GVWR)
0	0.0	23	Van based motorhome (< 4,536 kgs GVWR)
0	0.0	24	Van based school bus (< 4,536 kgs GVWR)
1	0.0	25	Van based other bus (< 4,536 kgs GVWR)
8	0.1	28	Other van type (Hi-Cube Van, Kary)
4	0.0	29	Unknown van type
			Lt Conventional Truck (P.U. style cab, < 4,536 kgs. GVWR)
388	4.3	30	Compact pickup (Ram 50, Dakota, Arrow Pickup, Ranger, Toyota Pickup, etc.)
750	8.4	31	Large pickup (Jeep Pickup, Comanche, Silverado, Sierra, etc.)
0	0.0	32	Pickup with slide-in camper
1	0.0	33	Convertible pickup
21	0.2	39	Unknown (pickup style) light conventional truck
			Other Light Trucks (< or = 4,536 kgs. GVWR)
12	0.1	40	Cab chassis based (includes rescue vehicle, light stake, dump, and tow truck)
0	0.0	41	Truck based panel
0	0.0	42	Light truck based motorhome (chassis mounted)
0	0.0	45	Other light conventional truck type
4	0.0	48	Unknown light truck type
0	0.0	49	Unknown light vehicle type (automobile, van, or light truck)
			Buses (excludes van based)
13	0.1	50	School bus (designed to carry students, not cross country or transit)
23	0.3	58	Other bus type (e.g., transit, intercity, bus based motorhome)
8	0.1	59	Unknown bus type
			Medium/Heavy Trucks (> 4,536 kgs GVWR)
2	0.0	60	Step van (> 4,536 kgs GVWR)
23	0.3	61	Single unit straight truck (4,536 kgs < GVWR < or = 8,845 kgs)

Variable 309:BODY TYPE (Continued)

20Aug08	Prcnt	Code	Value and Description
11	0.1	62	Single unit straight truck (8,845 kgs < GVWR < or = 11,793 kgs)
33	0.4	63	Single unit straight truck (> 11,793 kgs GVWR)
16	0.2	64	Single unit straight truck, GVWR unknown
7	0.1	65	Medium/heavy truck based motorhome
6	0.1	67	Truck-tractor with no cargo trailer
127	1.4	68	Truck-tractor pulling one trailer
6	0.1	69	Truck-tractor pulling two or more trailers
5	0.1	70	Truck-tractor (unknown if pulling trailer)
9	0.1	74	Medium / heavy pickup (>= 4,536 kgs)
31	0.3	78	Unknown medium/heavy truck type
6	0.1	79	Unknown truck type (light/medium/heavy)
Motored Cycles (Does not include atv/atc)			
14	0.2	80	Motorcycle
0	0.0	81	Moped (motorized bicycle)
0	0.0	82	Three-wheel motorcycle or moped
0	0.0	88	Other motored cycle type (minibike, motorscooter)
0	0.0	89	Unknown motored cycle type
Other Vehicles			
0	0.0	90	ATV (all terrain vehicle including dune/swamp buggy) and ATC (all terrain cycle)
0	0.0	91	Snowmobile
1	0.0	92	Farm equipment other than trucks
0	0.0	93	Construction equipment other than trucks
0	0.0	97	Other type vehicle
11	0.1	99	Unknown body type

Variable 310	VIN	Width: 10	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - VIN

Variable 311	VIN - CHARACTER #1	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

Variable 312	VIN - CHARACTER #2	Width: 1 Dec: None	Type: Alphabetic Miss: None
Variable 313	VIN - CHARACTER #3	Width: 1 Dec: None	Type: Alphabetic Miss: None
Variable 314	VIN - CHARACTER #4	Width: 1 Dec: None	Type: Alphabetic Miss: None
Variable 315	VIN - CHARACTER #5	Width: 1 Dec: None	Type: Alphabetic Miss: None
Variable 316	VIN - CHARACTER #6	Width: 1 Dec: None	Type: Alphabetic Miss: None
Variable 317	VIN - CHARACTER #7	Width: 1 Dec: None	Type: Alphabetic Miss: None
Variable 318	VIN - CHARACTER #8	Width: 1 Dec: None	Type: Alphabetic Miss: None
Variable 319	VIN - CHARACTER #9	Width: 1 Dec: None	Type: Alphabetic Miss: None
Variable 320	VIN - CHARACTER #10	Width: 1 Dec: None	Type: Alphabetic Miss: None
Variable 321	VIN LENGTH	Width: 2 Dec: None	Type: Numeric Miss: 99

NHTSA SAS Variable - VINLNGTH

20Aug08	Prcnt	Code	Value and Description
1	0.0	7	- Length of VIN
8500	94.8	17	
412	4.6	99	Unknown

Variable 322	TYPE OF VEH INSPECTION	Width: 1	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - INSPTYPE

Type of vehicle inspection

20Aug08	Prcnt	Code	Value and Description
2181	24.3	0	No inspection
181	2.0	1	Vehicle fully repaired - no damage evident
1692	18.9	2	Partial inspection
4086	45.6	3	Complete inspection
473	5.3	4	Partial Inspection, Non-towed vehicle
352	3.9	9	Inapplicable - Body Type (V309) = 50-99

Variable 323	VEHICLE DISPOSITION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TOWPAR

Police reported vehicle disposition

20Aug08	Prcnt	Code	Value and Description
1764	19.7	0	Not towed due to vehicle damage
7181	80.1	1	Towed due to vehicle damage
20	0.2	9	Unknown

Variable 324	VEHICLE CURB WEIGHT	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - CURBWGT

20Aug08	Prcnt	Code	Value and Description
0	0.0	45	Less than 450 kilograms
1	0.0	68	- Weight (to nearest 10 kilograms)
1	0.0	458	
1	0.0	612	
600	6.7	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 325	VEHICLE CARGO WEIGHT	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - CARGOWGT

20Aug08	Prcnt	Code	Value and Description
4426	49.4	0	Less than 5 kilograms
743	8.3	1	- Weight (to nearest 10 kilograms)
1	0.0	450	
2820	31.5	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 326	TOWED TRAILING UNIT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TOWHITCH

20Aug08	Prcnt	Code	Value and Description
8553	95.4	0	No towed unit
49	0.5	1	Yes - towed trailing unit
363	4.0	9	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 327	VEHICLE SPECIAL USE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - VEHUSE

20Aug08	Prcnt	Code	Value and Description
8739	97.5	0	No special use
35	0.4	1	Taxi
14	0.2	2	Vehicle used as school bus
31	0.3	3	Vehicle used as other bus
0	0.0	4	Military
41	0.5	5	Police
8	0.1	6	Ambulance
7	0.1	7	Fire truck or car
0	0.0	8	Other (i.e. funeral hearse)
90	1.0	9	Unknown

<u>Variable 328</u>	<u>FRONT OVERRIDE/UNDERRIDE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FCOVERIDE

20Aug08	Prcnt	Code	Value and Description
7430	82.9	0	No override/underride, or not an end-over-end between 2 CDS applicable vehs, & no M/H trk or bus underride
			Override
70	0.8	1	First CDC
7	0.1	2	Second CDC
0	0.0	3	Other nonautomated CDC
			Underride
185	2.1	4	First CDC
16	0.2	5	Second CDC
0	0.0	6	Other nonautomated CDC
108	1.2	7	Medium or heavy truck override or underride
1149	12.8	9	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 329</u>	<u>REAR OVERRIDE/UNDERRIDE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROVERRIDE

20Aug08	Prcnt	Code	Value and Description
7836	87.4	0	No override/underride, or not end-over-end between two CDS applicable vehs, and no M/H trk or bus underride
			Override
112	1.2	1	First CDC
18	0.2	2	Second CDC
0	0.0	3	Other nonautomated CDC
			Underride
37	0.4	4	First CDC
4	0.0	5	Second CDC
0	0.0	6	Other nonautomated CDC
24	0.3	7	Medium or heavy truck override or underride
934	10.4	9	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 330	ANTILOCK BRAKES	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ANTILOCK

Vina derived - Antilock Brakes

20Aug08	Prcnt	Code	Value and Description
692	7.7	1	Not available
4438	49.5	2	4 wheel standard
312	3.5	3	Rear only standard
235	2.6	4	ABS standard, wheels unknown
1915	21.4	5	4 wheel optional
15	0.2	6	Rear only optional
492	5.5	7	ABS optional, wheels unknown
44	0.5	8	Unknown (VINRTN)
822	9.2	9	Unknown

Variable 331	FOUR WHEEL DRIVE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - FOURWHDR

Vina derived - Four Wheel Drive

20Aug08	Prcnt	Code	Value and Description
4708	52.5	14	No
108	1.2	25	Yes
413	4.6	39	Unknown
21	0.2	98	Some vehicles of this series (*)
3715	41.4	99	Not applicable or missing data

Variable 332	FRONT WHEEL DRIVE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - FRTWHLDR

Vina derived - Front Wheel Drive

20Aug08	Prcnt	Code	Value and Description
768	8.6	14	No
4050	45.2	25	Yes
413	4.6	39	Unknown
19	0.2	98	Some vehicles of this series (*)
3715	41.4	99	Not applicable or missing data

Variable 333	FRONT/REAR WHEEL DRIVE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - DRIVE

20Aug08	Prcnt	Code	Value and Description
8965	100.0	9	Not provided in 2006-2007 datasets

Variable 334	# WHEELS/# DRIVE WHEELS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - WHLDRWHL

First position contains the total number of wheels. The second position contains the number of driving wheels.

20Aug08	Prcnt	Code	Value and Description
1878	20.9	42	4 wheels / 2 drive wheels
1571	17.5	44	4 wheels / 4 drive wheels
134	1.5	64	6 wheels / 4 drive wheels
5382	60.0	99	Unknown

Variable 335	CARBURETION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CARBUR

Vina derived - Carburetion

20Aug08	Prcnt	Code	Value and Description
0	0.0	2	B - Higher HP, 1 barrel carburetor
0	0.0	3	C - 1 barrel turbo
4667	52.1	6	F - Unknown, fuel injection rating code
0	0.0	7	G - 1 barrel, electronically controlled
0	0.0	8	H - Unknown, high performance rating code
1	0.0	10	J - Lower HP, 2 barrel carburetor
0	0.0	11	K - Higher HP, 2 barrel carburetor
0	0.0	12	L - 2 barrels, turbo
0	0.0	16	P - 2 barrels, electronically controlled
0	0.0	17	Q - Unknown, electronically controlled
0	0.0	18	R - 4 barrels, electronically controlled
1	0.0	19	S - Lower HP, 4 barrel carburetor
106	1.2	20	T - 1,2,4 barrels, turbo fuel injected
1	0.0	22	V - 4 barrels, turbo
0	0.0	25	Y - Unknown, turbo
45	0.5	26	Z - Unknown super charged
6	0.1	31	1 barrel
30	0.3	32	2 barrels
3	0.0	33	3 barrels

Variable 335:CARBURETION (Continued)

20Aug08	Prcnt	Code	Value and Description
24	0.3	34	4 barrels
413	4.6	39	Not applicable or missing data
3668	40.9	99	Unknown

Variable 336	FUEL CODE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - FUELCODE

Vina derived - Fuel Code

20Aug08	Prcnt	Code	Value and Description
20	0.2	2	B - Electric and gasoline hybrid engine
12	0.1	3	C - Gasoline engine that can be easily converted to a gaseous powered engine (powered by natural gas, propane, etc,)
341	3.8	4	D - Diesel
0	0.0	5	E - Electric
222	2.5	6	F - Flexible fuel
7883	87.9	7	G - Gas (ie Ford engine methanol fuel is coded as gas)
0	0.0	8	H - Ethanol fuel only
0	0.0	13	M - Methanol gas only
4	0.0	14	N - Compressed Natural Gas
1	0.0	16	P - Propane
413	4.6	39	9 - Unknown
69	0.8	99	Not applicable or missing data

Variable 337	ROOF	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROOF1

Vina derived - Roof

20Aug08	Prcnt	Code	Value and Description
7539	84.1	1	None / not available
3	0.0	2	Manual sun / moon roof
521	5.8	3	Power sun / moon roof
13	0.1	4	Removable panels
7	0.1	5	Removable roof
34	0.4	6	Retractable roof panel
26	0.3	7	Other / unknown
822	9.2	9	Missing data

Variable 338	OPTIONAL ROOF 1	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROOF2

Vina derived - Optional Roof 1

20Aug08	Prcnt	Code	Value and Description
21	0.2	1	None / not available
253	2.8	2	Manual sun / moon roof
3911	43.6	3	Power sun / moon roof
31	0.3	4	Removable panels
13	0.1	5	Removable roof
24	0.3	6	Retractable roof panel
10	0.1	7	Other / unknown
4702	52.4	9	Missing data

Variable 339	OPTIONAL ROOF 2	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROOF2

Vina derived - Optional Roof 2

20Aug08	Prcnt	Code	Value and Description
0	0.0	1	None / not available
0	0.0	2	Manual sun / moon roof
6	0.1	3	Power sun / moon roof
2	0.0	4	Removable panels
2	0.0	5	Removable roof
65	0.7	6	Retractable roof panel
4	0.0	7	Other / unknown
8886	99.1	9	Missing data

Variable 340	DAYLIGHT RUNNING LIGHTS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - DAYRUNLT

Vina derived - Daylight Running Lights

20Aug08	Prcnt	Code	Value and Description
4299	48.0	14	N - Not available
930	10.4	15	O - Optional
2526	28.2	19	S - Standard
388	4.3	21	U - Unknown
413	4.6	39	9 - Unknown
409	4.6	99	Missing data

Variable 345:VIN BODY TYPE (Continued)

20Aug08 Prcnt Code Value and Description

CB Cab & Chassis (LUV)
 CP Coupe
 CV Convertible
 C4 Coupe 4-Door
 HB Hatchback (used only when number of doors is unknown)
 HR Hearse
 HT Hardtop (used only when number of doors is unknown)
 IN Incomplete Passenger
 LB Liftback
 LM Limousine (same code as truck-based)
 NB Notchback
 PK Pickup (to code trucks commonly registered as passenger vehicles)
 PN Panel (to code trucks commonly registered as passenger vehicles)
 P2 2 Passenger Low
 P4 4 Passenger Low
 RD Roadster
 SB Sport Hatchback
 SC Sport Coupe
 SD Sedan (used only when number of doors is unknown)
 SV Sport Van
 SW Station Wagon
 UT Utility (to code trucks commonly registered as passenger vehicles)
 WW Wide Wheel Wagon
 2D Sedan 2-Door
 2F Formal Hardtop 2-Door
 2H Hatchback 2-Door
 2L Liftback 2-Door
 2P Pillard Hardtop 2-Door
 2T Hardtop 2-Door
 2W Wagon 2-Door
 3D Runabout 3-Door
 3P Coupe 3-Door
 4D Sedan 4-Door
 4H Hatchback 4-Door
 4L Liftback 4-Door
 4P Pillard Hardtop 4-Door
 4T Hardtop 4-Door
 4W Wagon 4-Door
 5D Sedan 5-Door

Trucks

AC Auto Carrier
 AR Armored Truck
 BU Bus
 CB Chassis and Cab
 CC Conventional Cab
 CG Cargo Van
 CH Crew Chassis
 CL Club Chassis

Variable 345:VIN BODY TYPE (Continued)

20Aug08 Prcnt	Code Value and Description
	CM Concrete or Transit Mixer
	CR Crane
	CS Super Cab / Chassis Pickup
	CU Custom Pickup
	CV Convertible (Jeep Commando, Suzuki Samurai, Dodge Dakota)
	CW Crew Pickup
	CY Cargo Cutaway
	DP Dump
	DS Tractor Truck (Diesel)
	EC Extended Cargo Van
	ES Extended Sport Van
	EV Ext Van
	EW Extended Window Van
	FB Flat-Bed or Platform
	FC Forward Control
	FT Fire Truck
	GG Garbage or Refuse
	GL Gliders
	GN Grain
	HO Hopper
	IC Incomplete Chassis
	IE Incomplete Ext Van
	LG Logger
	LL Suburban & Carry All
	LM Limousine (same code as aut-based)
	MH Motorized Home
	MP Multi-purpose
	MV Maxi Van
	MW Maxi Wagon
	MY Motorized Cutaway
	PC Club Cab Pickup
	PD Parcel Delivery
	PK Pickup
	PM Pickup with Camper Mounted on Bed
	PN Panel
	PS Super Cab Pickup
	RD Roadster (Jeep, Jeep Commando)
	SN Step Van
	SP Sport Pickup
	ST Stake or Rack
	SV Sports Van
	SW Station Wagon (Jeep Wagoneer, Dodge Sportsman A100, Toyota Landcruiser)
	S1 One Seat
	S2 Two Seat
	TB Tilt Cab
	TL Tilt Tandem
	TM Tandem
	TN Tank
	TR Tractor Truck (Gasoline)
	UT Utility (Blazer, Jimmy, Scout, etc.)
	VC Van Camper

Variable 345:VIN BODY TYPE (Continued)

20Aug08 Prcnt Code Value and Description

VD Display Van
 VN Van
 VT Vanette (Including Metro and Handy Van)
 VW Window Van
 WK Tow Truck Wrecker
 WW Wide Wheel Wagon
 XT Travelall (IHC version of Chev. Suburban)
 YY Cutaway
 2W 2-Door Wagon
 3B 3-Door Extended Cab / Chassis
 3C 4-Door Extended Cab Pickup
 4B 3-Door Extended Cab / Chassis
 4C 4-Door Extended Cab Pickup
 4W 4-Door Wagon
 8V 8 Passenger Sport Van

Motorcycles
 AT All Terrain
 EN Enduro
 MK Mini Bike
 MM Mini Motor Cross
 MP Moped
 MR Mini Road / Trail
 MS Motor Scooter
 MX Motor Cross
 MY Mini Cycle
 RC Racer
 RS Road / Street
 RT Road / Trail
 T Dirt
 TL Trail / Dirt
 TR Trails

98 Missing
 99 Unknown

<u>Variable 346</u>	<u>VIN MAKE</u>	Width: 5	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - VINMAKE

Variable 347	VIN MODEL YEAR	Width: 4	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - VINMODYR

20Aug08	Prcnt	Code	Value and Description
1	0.0	1957	1957
		-	
208	2.3	1992	1992
267	3.0	1993	1993
309	3.4	1994	1994
383	4.3	1995	1995
352	3.9	1996	1996
400	4.5	1997	1997
442	4.9	1998	1998
459	5.1	1999	1999
570	6.4	2000	2000
568	6.3	2001	2001
559	6.2	2002	2002
522	5.8	2003	2003
735	8.2	2004	2004
751	8.4	2005	2005
748	8.3	2006	2006
563	6.3	2007	2007
59	0.7	2008	2008
413	4.6	9999	Unknown

Variable 348	TRUCK WEIGHT CODE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - WGTCDTR

20Aug08	Prcnt	Code	Value and Description
2130	23.8	1	6,000 lbs & under
1183	13.2	2	6,001 - 10,000 lbs
40	0.4	3	10,001 - 14,000 lbs
25	0.3	4	14,001 - 16,000 lbs
14	0.2	5	16,001 - 19,500 lbs
21	0.2	6	19,501 - 26,000 lbs
31	0.3	7	26,001 - 33,000 lbs
144	1.6	8	Over 33,000 lbs
5377	60.0	9	Unknown

Variable 349	MTRCYCLE ENGINE DISPLACE	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

NHTSA SAS Variable - MCYCLDS

Variable 349:MTRCYCLE ENGINE DISPLACE (Continued)

20Aug08	Prcnt	Code	Value and Description
1	0.0	996	996 cc
		-	Displacement in cubic centimeters
3	0.0	1450	1450 cc
8957	99.9	9999	9999 unknown or not a motorcycle

Variable 350	WEIGHT - OTHER VEHICLE	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - OTVEHWGT

20Aug08	Prcnt	Code	Value and Description
0	0.0	45	Less than 450 kilograms
1	0.0	68	
		-	Weight (to nearest 10 kilograms)
2	0.0	454	
0	0.0	610	6,100 kilograms or more
0	0.0	997	Not available
1607	17.9	998	Not applicable (most severe impact not with another vehicle or with vehicle hitting itself)
2436	27.2	999	Unknown

Variable 351	BODY TYPE - OTHER VEH	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - OTBDYTYP

20Aug08	Prcnt	Code	Value and Description
Automobiles			
50	0.6	1	Convertible (excludes sun roof, t-bar)
429	4.8	2	2-door sedan, hardtop, coupe
95	1.1	3	3-door/2-door hatchback
2196	24.5	4	4-door sedan, hardtop
101	1.1	5	5-door/4-door hatchback
117	1.3	6	Station Wagon (excluding van and truck based)
0	0.0	7	Hatchback, number of doors unknown
0	0.0	8	Other automobile type
28	0.3	9	Unknown automobile type
Automobile Derivatives			
1	0.0	10	Auto based pickup (includes El Camino, Caballero, Ranchero, Brat and Rabbit pickup)
0	0.0	11	Auto based panel (cargo station wagon, includes auto based ambulance/hearse)
0	0.0	12	Large limousine - more than four side doors or stretched chassis
0	0.0	13	Three-wheel automobile or automobile derivative

Variable 351:BODY TYPE - OTHER VEH (Continued)

20Aug08	Prcnt	Code	Value and Description
			Utility Vehicles (< 4,536 kgs GVWR)
730	8.1	14	Compact utility (includes Jeep CJ-2 thru Jeep CJ-7, Renegade, Wrangler, Navajo, Bronco, Thing)
168	1.9	15	Large utility (includes Jeep Cherokee, Ram Charger, Trailduster, fullsize Blazer, Scout)
43	0.5	16	Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
1	0.0	17	3-door vehicle
1	0.0	19	Utility unknown body type
			Van Based Light Trucks (< 4,536 kgs GVWR)
296	3.3	20	Minivan (Astro, Caravan, Plymouth Vista, Aerostar, Safari, etc.)
95	1.1	21	Large van (Sportsman, Royal, Ram, Chevy Van, Voyager-Pre83, Econoline, etc.)
4	0.0	22	Step van or walk-in van (< 4,536 kgs GVWR)
0	0.0	23	Van based motorhome (< 4,536 kgs GVWR)
0	0.0	24	Van based school bus (< 4,536 kgs GVWR)
0	0.0	25	Van based other bus (< 4,536 kgs GVWR)
6	0.1	28	Other van type (Hi-Cube Van, Kary)
2	0.0	29	Unknown van type
			Lt Conventional Truck (P.U. style cab, < 4,536 kgs. GVWR)
215	2.4	30	Compact pickup (Ram 50, Dakota, Arrow Pickup, Ranger, Toyota Pickup, etc.)
440	4.9	31	Large pickup (Jeep Pickup, Comanche, Silverado, Sierra, etc.)
0	0.0	32	Pickup with slide-in camper
0	0.0	33	Convertible pickup
11	0.1	39	Unknown (pickup style) light conventional truck
			Other Light Trucks (< or = 4,536 kgs. GVWR)
9	0.1	40	Cab chassis based (includes rescue vehicle, light stake, dump, and tow truck)
0	0.0	41	Truck based panel
0	0.0	42	Light truck based motorhome (chassis mounted)
0	0.0	45	Other light conventional truck type
1	0.0	48	Unknown light truck type
0	0.0	49	Unknown light vehicle type (automobile, van, or light truck)
			Buses (excludes van based)
7	0.1	50	School bus (designed to carry students, not cross country or transit)
15	0.2	58	Other bus type (e.g., transit, intercity, bus based motorhome)
6	0.1	59	Unknown bus type
			Medium/Heavy Trucks (> 4,536 kgs GVWR)
2	0.0	60	Step van (> 4,536 kgs GVWR)
16	0.2	61	Single unit straight truck (4,536 kgs < GVWR < or = 8,845 kgs)

Variable 351:BODY TYPE - OTHER VEH (Continued)

20Aug08	Prcnt	Code	Value and Description
8	0.1	62	Single unit straight truck (8,845 kgs < GVWR < or = 11,793 kgs)
26	0.3	63	Single unit straight truck (>11,793 kgs GVWR)
14	0.2	64	Single unit straight truck, GVWR unknown
6	0.1	65	Medium/heavy truck based motorhome
3	0.0	67	Truck-tractor with no cargo trailer
95	1.1	68	Truck-tractor pulling one trailer
6	0.1	69	Truck-tractor pulling two or more trailers
2	0.0	70	Truck-tractor (unknown if pulling trailer)
8	0.1	74	Medium / heavy pickup (>= 4,536 kgs)
18	0.2	78	Unknown medium/heavy truck type
5	0.1	79	Unknown truck type (light/medium/heavy)
Motored Cycles (Does not include atv/atc)			
10	0.1	80	Motorcycle
0	0.0	81	Moped (motorized bicycle)
0	0.0	82	Three-wheel motorcycle or moped
0	0.0	88	Other motored cycle type (minibike, motorscooter)
0	0.0	89	Unknown motored cycle type
Other Vehicles			
0	0.0	90	ATV (all terrain vehicle including dune/swamp buggy) and ATC (all terrain cycle)
0	0.0	91	Snowmobile
0	0.0	92	Farm equipment
0	0.0	93	Construction equipment other than trucks
0	0.0	97	Other type vehicle
1607	17.9	98	Not applicable (most severe impact not with another vehicle or with vehicle hitting itself)
2072	23.1	99	Unknown body type

Variable 352	ROLLOVER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - ROLLOVER

20Aug08	Prcnt	Code	Value and Description
7736	86.3	0	No rollover (no overturning)
Rollover (primarily about the longitudinal axis)			
156	1.7	1	Rollover - one quarter turn only
242	2.7	2	Rollover - two quarter turns
42	0.5	3	Rollover - three quarter turns
160	1.8	4	Rollover - four quarter turns
28	0.3	5	Rollover - five quarter turn
71	0.8	6	Rollover - six quarter turns
13	0.1	7	Rollover - seven quarter turns
39	0.4	8	Rollover - eight quarter turns

Variable 352:ROLLOVER (Continued)

20Aug08	Prcnt	Code	Value and Description
3	0.0	9	Rollover - nine quarter turns
8	0.1	10	Rollover - ten quarter turns
0	0.0	11	Rollover - eleven quarter turns
2	0.0	12	Rollover - twelve quarter turns
1	0.0	13	Rollover - thirteen quarter turns
2	0.0	14	Rollover - fourteen quarter turns
0	0.0	15	Rollover - fifteen quarter turns
0	0.0	16	Rollover - sixteen quarter turns
0	0.0	17	Rollover - seventeen or more quarter turns
			Rollover (primarily about the lateral axis)
2	0.0	98	Rollover - end-over-end
460	5.1	99	Rollover (overturn) - details unknown or Inapplicable - Body Type (V309) = 50-99

Variable 353	ROLLOVER INITIATION TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - ROLINTYP

For diagram see Appendix A

20Aug08	Prcnt	Code	Value and Description
7736	86.3	0	No rollover
505	5.6	1	Trip-over
43	0.5	2	Flip-over
12	0.1	3	Turn-over
25	0.3	4	Climb-over
39	0.4	5	Fall-over
53	0.6	6	Bounce-over
84	0.9	7	Collision with another vehicle
6	0.1	8	Other rollover initiation type
2	0.0	98	Rollover - end-over-end
460	5.1	99	Unknown rollover initiation type or Inapplicable - Body Type (V309) = 50-99

Variable 354	LOCATION OF ROLLOVER INI	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROLINLOC

Location of rollover initiation

20Aug08	Prcnt	Code	Value and Description
7736	86.3	0	No rollover

Variable 354:LOCATION OF ROLLOVER INI (Continued)

20Aug08	Prcnt	Code	Value and Description
164	1.8	1	On roadway
28	0.3	2	On shoulder - paved
64	0.7	3	On shoulder - unpaved
511	5.7	4	On roadside or divided trafficway median
2	0.0	8	Rollover -- end-over-end
460	5.1	9	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 355	ROLLOVER INIT OBJ CONTAC	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - ROLLOBJ

Rollover initiation object contacted

20Aug08	Prcnt	Code	Value and Description
7736	86.3	0	No rollover
			Collision with another vehicle
30	0.3	1	Vehicle Number 1
45	0.5	2	Vehicle Number 2
7	0.1	3	Vehicle Number 3
1	0.0	4	Vehicle Number 4
			Noncollision
51	0.6	31	Turn-over - fall-over
2	0.0	32	No rollover impact initiation (end-over-end)
0	0.0	34	Jackknife
			Collision with fixed object
4	0.0	41	Tree (< or = 10 centimeters in diameter)
13	0.1	42	Tree (> 10 centimeters in diameter)
0	0.0	43	Shrubbery or bush
21	0.2	44	Embankment
1	0.0	45	Breakaway pole or post
2	0.0	46	Metal guardrail
			Nonbreakaway pole or post
0	0.0	50	Pole or post (< or = 10 centimeters in diameter)
8	0.1	51	Pole or post (> 10 or < or = 30 centimeters in diameter)
5	0.1	52	Pole or post (> 30 centimeters in diameter)
0	0.0	53	Pole, post - diameter unknown
19	0.2	54	Concrete traffic barrier
0	0.0	55	Impact attenuator
25	0.3	56	Other traffic barrier (includes guardrail)
2	0.0	57	Fence
4	0.0	58	Wall
0	0.0	59	Building
9	0.1	60	Ditch or culvert

Variable 355:ROLLOVER INIT OBJ CONTAC (Continued)

20Aug08	Prcnt	Code	Value and Description
450	5.0	61	Ground
1	0.0	62	Fire hydrant
32	0.4	63	Curb
3	0.0	64	Bridge
29	0.3	68	Other fixed object
0	0.0	69	Unknown fixed object
			Collision with nonfixed object
1	0.0	70	Passenger car, light truck, van or other vehicle not in-transport
0	0.0	71	Medium/heavy truck or bus not in-transport
0	0.0	76	Animal
1	0.0	77	Train
0	0.0	78	Trailer, disconnected in transport
0	0.0	79	Object fell from vehicle in-transport
2	0.0	88	Other nonfixed object
0	0.0	89	Unknown nonfixed object
1	0.0	98	Other event
460	5.1	99	Unknown event or object or Inapplicable - Body Type (V309) = 50-99

Variable 356	PRIN TRIP FORCE APPLIED	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TRIPLOC

Location on vehicle where initial principal tripping force is applied

20Aug08	Prcnt	Code	Value and Description
7736	86.3	0	No rollover
505	5.6	1	Wheels/tires
79	0.9	2	Side plane
62	0.7	3	End plane
69	0.8	4	Undercarriage
1	0.0	5	Other location on vehicle
51	0.6	6	Noncontact rollover forces
2	0.0	8	Rollover -- end-over-end
460	5.1	9	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 357</u>	<u>DIRECTION OF INITIAL ROL</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROLINDIR

Direction of initial roll

20Aug08	Prcnt	Code	Value and Description
7736	86.3	0	No rollover
329	3.7	1	Roll right - primarily about longitudinal axis
435	4.9	2	Roll left - primarily about longitudinal axis
2	0.0	8	Rollover -- end-over-end (i.e., primarily about lateral axis)
463	5.2	9	Unknown roll direction or Inapplicable - Body Type (V309) = 50-99

<u>Variable 358</u>	<u>HEADING ANGLE - THIS VEH</u>	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - ANGTHIS

Heading angle for this vehicle

20Aug08	Prcnt	Code	Value and Description
840	9.4	0	- Actual coded value
43	0.5	355	
28	0.3	996	Nonhorizontal impact
443	4.9	997	Noncollision
1526	17.0	998	Impact with object
371	4.1	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 359</u>	<u>HEADING ANGLE - OTH VEH</u>	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - ANGOTHER

Heading angle for other vehicle

20Aug08	Prcnt	Code	Value and Description
779	8.7	0	- Actual coded value
55	0.6	355	
28	0.3	996	Nonhorizontal impact
443	4.9	997	Noncollision
1526	17.0	998	Impact with object
377	4.2	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 360	RECONSTRUCT CONFIDENCE	Width: 1	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - DVCONFID

Confidence in reconstruction program results

20Aug08	Prcnt	Code	Value and Description
4522	50.4	0	No reconstruction
2255	25.2	1	Collision fits model - results appear reasonable
47	0.5	2	Collision fits model - results appear high
205	2.3	3	Collision fits model - results appear low
1584	17.7	4	Borderline reconstruction - results appear reasonable
352	3.9	9	Inapplicable - Body Type (V309) = 50-99

Variable 361	BASIS FOR TOTAL DELTA-V	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - DVBASIS

20Aug08	Prcnt	Code	Value and Description
1715	19.1	0	No vehicle inspection
			Delta V calculated
2335	26.0	1	Reconstruction program - damage only routine
3	0.0	2	Reconstruction program - damage and trajectory routine
1753	19.6	3	Missing vehicle algorithm
			Delta V not calculated
391	4.4	4	At least one vehicle is beyond the scope of reconstruction program regardless of collision condition
369	4.1	5	Rollover
148	1.7	6	Other nonhorizontal forces
191	2.1	7	Sideswipe type damage
49	0.5	8	Severe override
296	3.3	9	Yielding object
134	1.5	10	Overlapping damage
1136	12.7	11	All vehs & collision conditions are within scope, but there is insufficient data available
93	1.0	98	Other
352	3.9	99	Inapplicable - Body Type (V309) = 50-99

Variable 362	TOTAL DELTA-V	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DVTOTAL

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	Less than 0.5 kmph
6	0.1	3	- Nearest kmph
1	0.0	153	
0	0.0	160	159.5 kmph and above
4874	54.4	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 363	LONG COMPONENT DELTA-V	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

NHTSA SAS Variable - DVLONG

Values may be negative

20Aug08	Prcnt	Code	Value and Description
0	0.0	-160	-159.5 kmph and below
1	0.0	-144	- Nearest kmph
1	0.0	82	
0	0.0	160	159.5 kmph and above
4874	54.4	999	Not calculated
0	0.0	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 364	LAT COMPONENT DELTA-V	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

NHTSA SAS Variable - DVLAT

Values may be negative

20Aug08	Prcnt	Code	Value and Description
0	0.0	-160	-159.5 kmph and below
1	0.0	-77	- Nearest kmph
1	0.0	67	
0	0.0	160	159.5 kmph and above
4874	54.4	999	Not calculated
0	0.0	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 365</u>	<u>ENERGY ABSORPTION</u>	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

NHTSA SAS Variable - ENERGY

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	Less than 50 joules
2	0.0	6	- Nearest 100 joules
1	0.0	7092	
0	0.0	9997	999,650 joules or more
4874	54.4	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 366</u>	<u>BARRIER EQUIVALENT SPEED</u>	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - BAREQSP

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	Less than 0.5 kmph
4	0.0	2	- nearest kmph
1	0.0	104	
0	0.0	160	> or = 159.5 kmph and above
4600	51.3	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 367</u>	<u>EST HIGHEST DELTA V</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - DVEST

Estimated Highest Delta V (Researcher determined)

20Aug08	Prcnt	Code	Value and Description
4365	48.7	0	Reconstruction delta V coded
Estimated Delta V			
2	0.0	1	Less than 10 kmph
28	0.3	2	Delta V > or = 10 kmph < 25 kmph
14	0.2	3	Delta V > or = 25 kmph < 40 kmph
4	0.0	4	Delta V > or = 40 kmph < 55 kmph
13	0.1	5	Delta V > or = 55 kmph
Other estimates of damage severities			
411	4.6	6	Minor
1185	13.2	7	Moderate
392	4.4	8	Severe

Variable 367:EST HIGHEST DELTA V (Continued)

20Aug08 Prcnt Code Value and Description

2551	28.5	9	Unknown or Inapplicable - Body Type (V309) = 50-99
------	------	---	--

Variable 368	SPEED LIMIT (KMPH)	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - SPLIMIT

20Aug08 Prcnt Code Value and Description

55	0.6	0	No statutory limit
3	0.0	8	8 kmph (5 mph)
		-	Posted or statutory limit (kmph)
43	0.5	121	121 kmph (75mph)
140	1.6	999	Unknown

Variable 369	TRAVEL SPEED (KMPH)	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - TRAVELSP

Police reported travel speed (mph x 1.6093 = kmph)

20Aug08 Prcnt Code Value and Description

772	8.6	0	Stopped vehicle or traveling less than 0.5 kmph
5	0.1	3	
		-	Police reported travel speed (kmph)
5	0.1	153	
6	0.1	160	159.5 kmph or greater
5852	65.3	999	Unknown

Variable 370	IMPACT SPEED	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - IMPACTSP

20Aug08 Prcnt Code Value and Description

2	0.0	0	< 0.5 kmph
1	0.0	74	74 kmph
4088	45.6	998	Trajectory algorithm
4874	54.4	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 371	ACCIDENT TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - ACCTYPE

20Aug08	Prcnt	Code	Value and Description
10	0.1	0	No impact
454	5.1	1	- Diagram number (see Appendix B)
14	0.2	93	
1191	13.3	98	Other accident type
2	0.0	99	Unknown or no driver present

Variable 372	TRAJECTORY DATA DOC	Width: 1	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - DOCTRAJ

Documentation of trajectory data for this vehicle?

20Aug08	Prcnt	Code	Value and Description
6949	77.5	0	No
1664	18.6	1	Yes
352	3.9	9	Inapplicable - Body Type (V309) = 50-99

Variable 373	POST COLL TREE/POLE COND	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CONDTREE

Post collision condition of tree or pole

20Aug08	Prcnt	Code	Value and Description
7865	87.7	0	Not collision (for highest delta V) with tree or pole
484	5.4	1	Not damaged
104	1.2	2	Cracked/sheared
15	0.2	3	Tilted < 45 degrees
10	0.1	4	Tilted > or = 45 degrees
21	0.2	5	Uprooted tree
21	0.2	6	Separated pole from base
61	0.7	7	Pole replaced
6	0.1	8	Other
378	4.2	9	Unknown or Inapplicable Body Type (V309) = 50-99

Variable 374	DISTRACTION TO DRIVING	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - DRIVDIST

Driver's distraction/inattention to driving (Prior to recognition of critical event)

20Aug08	Prcnt	Code	Value and Description
279	3.1	0	No driver present
2978	33.2	1	Attentive or not distracted
476	5.3	2	Looked but did not see
Distractions			
71	0.8	3	By other occupant(s)
8	0.1	4	By moving object in vehicle
31	0.3	5	While talking or listening to cellular phone (specify location and type of phone)
16	0.2	6	While dialing cellular phone (specify location and type of phone)
1	0.0	7	While adjusting climate controls
19	0.2	8	While adjusting radio, cassette, CD
12	0.1	9	While using other device/controls integral to vehicle
54	0.6	10	While using or reaching for device/object brought into vehicle
183	2.0	11	Sleepy or fell asleep
153	1.7	12	Distracted by outside person, object, or event
13	0.1	13	Eating or drinking
6	0.1	14	Smoking related
37	0.4	97	Distracted/inattentive, details unknown
192	2.1	98	Other distraction
4436	49.5	99	Unknown

Variable 375	PRE-EVENT MOVEMENT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - REMOVE

Pre-event movement (Prior to recognition of critical event)

20Aug08	Prcnt	Code	Value and Description
279	3.1	0	No driver present
4632	51.7	1	Going straight
245	2.7	2	Decelerating in traffic lane
35	0.4	3	Accelerating in traffic lane
19	0.2	4	Starting in traffic lane
814	9.1	5	Stopped in traffic lane
62	0.7	6	Passing or overtaking another vehicle
8	0.1	7	Disabled or parked in travel lane
14	0.2	8	Leaving a parked position
5	0.1	9	Entering a parked position
126	1.4	10	Turning right

Variable 375:PRE-EVENT MOVEMENT (Continued)

20Aug08	Prcnt	Code	Value and Description
1032	11.5	11	Turning left
48	0.5	12	Making U-turn
15	0.2	13	Backing up (other than for parking position)
1344	15.0	14	Negotiating a curve
143	1.6	15	Changing lanes
32	0.4	16	Merging
71	0.8	17	Successful avoidance maneuver to a previous critical event
12	0.1	97	Other
29	0.3	99	Unknown

Variable 376 CRITICAL PRECRASH EVENT Width: 2 Type: Numeric
Dec: None Miss: 99

NHTSA SAS Variable - PREEVENT

Initial critical precrash event (Precrash 2)

20Aug08	Prcnt	Code	Value and Description
This Vehicle Loss of Control Due To:			
31	0.3	1	Blow out or flat tire
2	0.0	2	Stalled engine
16	0.2	3	Disabling vehicle failure (e.g. wheel fell off)
9	0.1	4	Nondisabling vehicle problem (e.g. hood flew up)
196	2.2	5	Poor road conditions (puddle, pothole, ice, etc.)
325	3.6	6	Traveling too fast for conditions
61	0.7	8	Other cause of control loss
76	0.8	9	Unknown cause of control loss
This Vehicle Traveling:			
402	4.5	10	Over the lane line on left side of travel lane
161	1.8	11	Over the lane line on right side of travel lane
406	4.5	12	Off the edge of the road on the left side
638	7.1	13	Off the edge of the road on the right side
36	0.4	14	End departure
876	9.8	15	Turning left at intersection
58	0.6	16	Turning right at intersection
913	10.2	17	Crossing over (passing through) intersection
11	0.1	18	This vehicle decelerating
4	0.0	19	Unknown travel direction
Other Motor Vehicle in Lane:			
461	5.1	50	Other vehicle stopped
156	1.7	51	Traveling in same direction with lower steady speed
253	2.8	52	Traveling in same direction while decelerating
952	10.6	53	Traveling in same direction with higher speed
85	0.9	54	Traveling in opposite direction
38	0.4	55	In crossover

Variable 376:CRITICAL PRECRASH EVENT (Continued)

20Aug08	Prcnt	Code	Value and Description
		56	Backing
		59	Unknown travel direction of other motor vehicle in lane
Other Motor Vehicle Encroaching Into Lane:			
297	3.3	60	From adjacent lane (same direction) - over left lane line
221	2.5	61	From adjacent lane (same direction) - over right lane line
1018	11.4	62	From opposite direction - over left lane line
47	0.5	63	From opposite direction - over right lane line
11	0.1	64	From parking lane
73	0.8	65	From crossing street - turning into same direction
570	6.4	66	From crossing street - across path
189	2.1	67	From crossing street - turning into opposite direction
7	0.1	68	From crossing street - intended path not known
14	0.2	70	From driveway - turning into same direction
11	0.1	71	From driveway - across path
52	0.6	72	From driveway - turning into opposite direction
3	0.0	73	From driveway - intended path not known
5	0.1	74	From entrance to limited access highway
12	0.1	78	Encroachment by other vehicle - details unknown
Pedestrian or Pedalcyclist, or Other Nonmotorist			
3	0.0	80	Pedestrian in roadway
0	0.0	81	Pedestrian approaching roadway
0	0.0	82	Pedestrian - unknown location
2	0.0	83	Pedalcyclist or other nonmotorist in roadway
0	0.0	84	Pedalcyclist or other nonmotorist approaching roadway
0	0.0	85	Pedalcyclist or other nonmotorist - unknown location
Object or Animal			
75	0.8	87	Animal in roadway
2	0.0	88	Animal approaching roadway
1	0.0	89	Animal - unknown location
31	0.3	90	Object in roadway
7	0.1	91	Object approaching roadway
0	0.0	92	Object - unknown location
118	1.3	98	Other critical precrash event
17	0.2	99	Unknown

Variable 377	PRE-IMPACT STABILITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - PREISTAB

20Aug08	Prcnt	Code	Value and Description
279	3.1	0	No driver present
6272	70.0	1	Tracking
636	7.1	2	Skidding longitudinally - rotation less than 30 degrees

Variable 377:PRE-IMPACT STABILITY (Continued)

20Aug08	Prcnt	Code	Value and Description
365	4.1	3	Skidding laterally - clockwise rotation
367	4.1	4	Skidding laterally - counterclockwise rotation
10	0.1	7	Other vehicle loss-of-control
1036	11.6	9	Preocrash stability unknown

Variable 378	PRE-IMPACT LOCATION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - PREILOC

20Aug08	Prcnt	Code	Value and Description
279	3.1	0	No driver present
6023	67.2	1	Stayed in original travel lane
716	8.0	2	Stayed on roadway but left original travel lane
15	0.2	3	Stayed on roadway, not known if left original travel lane
1812	20.2	4	Departed roadway
3	0.0	5	Remained off roadway
53	0.6	6	Returned to roadway
31	0.3	7	Entered roadway
33	0.4	9	Unknown

Variable 379	ATTEMPTED AVOID MANEUVER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - MANEUVER

Attempted avoidance maneuver

20Aug08	Prcnt	Code	Value and Description
279	3.1	0	No driver present
3083	34.4	1	No avoidance maneuver
581	6.5	2	Braking (no lockup)
330	3.7	3	Braking (lockup)
128	1.4	4	Braking (lockup unknown)
3	0.0	5	Releasing brakes
289	3.2	6	Steering left
316	3.5	7	Steering right
183	2.0	8	Braking and steering left
219	2.4	9	Braking and steering right
46	0.5	10	Accelerating
8	0.1	11	Accelerating and steering left
7	0.1	12	Accelerating and steering right
31	0.3	98	Other action
3462	38.6	99	Unknown

Variable 380	RELATION TO INTERCHANGE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - RELINTER

Relation to interchange or junction

20Aug08	Prcnt	Code	Value and Description
3830	42.7	0	Noninterchange area and non-junction
403	4.5	1	Interchange area related
NonInterchange junctions			
4260	47.5	2	Interchange related
434	4.8	3	Driveway, alley access related
20	0.2	4	Other junction
0	0.0	5	Unknown type of junction
18	0.2	9	Unknown

Variable 381	TRAFFICWAY FLOW	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TRAFFLOW

20Aug08	Prcnt	Code	Value and Description
5363	59.8	0	Not physically divided (two way trafficway)
1878	20.9	1	Divided trafficway-median strip without positive barrier
1129	12.6	2	Divided trafficway-median strip with positive barrier
570	6.4	3	One way trafficway
25	0.3	9	Unknown

Variable 382	NUMBER OF TRAVEL LANES	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - LANES

20Aug08	Prcnt	Code	Value and Description
227	2.5	1	One
3973	44.3	2	Two
1525	17.0	3	Three
1684	18.8	4	Four
1152	12.8	5	Five
239	2.7	6	Six
138	1.5	7	Seven or more
27	0.3	9	Unknown

Variable 383 ROADWAY ALIGNMENT Width: 1 Type: Numeric
 Dec: None Miss: 9

NHTSA SAS Variable - ALIGNMNT

20Aug08	Prcnt	Code	Value and Description
7190	80.2	1	Straight
833	9.3	2	Curve right
919	10.3	3	Curve left
23	0.3	9	Unknown

Variable 384 ROADWAY PROFILE Width: 1 Type: Numeric
 Dec: None Miss: 9

NHTSA SAS Variable - PROFILE

20Aug08	Prcnt	Code	Value and Description
6601	73.6	1	Level
1046	11.7	2	Uphill grade (> 2%)
74	0.8	3	Hillcrest
1203	13.4	4	Downhill grade (> 2%)
12	0.1	5	Sag
29	0.3	9	Unknown

Variable 385 ROADWAY SURFACE TYPE Width: 1 Type: Numeric
 Dec: None Miss: 9

NHTSA SAS Variable - SURTYPE

20Aug08	Prcnt	Code	Value and Description
1145	12.8	1	Concrete
7742	86.4	2	Bituminous (asphalt)
4	0.0	3	Brick or block
31	0.3	4	Slag, gravel or stone
29	0.3	5	Dirt
4	0.0	8	Other
10	0.1	9	Unknown

Variable 386 ROADWAY SURFACE CONDITION Width: 1 Type: Numeric
 Dec: None Miss: 9

NHTSA SAS Variable - SURCOND

20Aug08	Prcnt	Code	Value and Description
7268	81.1	1	Dry
1259	14.0	2	Wet

Variable 386:ROADWY SURFACE CONDITION (Continued)

20Aug08 Prcnt Code Value and Description

213	2.4	3	Snow or slush
189	2.1	4	Ice
5	0.1	5	Sand, dirt or oil
10	0.1	8	Other
21	0.2	9	Unknown

Variable 387	LIGHT CONDITIONS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - LGTCOND

20Aug08 Prcnt Code Value and Description

5633	62.8	1	Daylight
916	10.2	2	Dark
2091	23.3	3	Dark, but lighted
132	1.5	4	Dawn
152	1.7	5	Dusk
41	0.5	9	Unknown

Variable 388	ATMOSPHERIC CONDITIONS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CLIMATE

20Aug08 Prcnt Code Value and Description

32	0.4	11	Fog-Smog-Smoke
806	9.0	12	Rain
49	0.5	13	Sleet/hail
158	1.8	14	Snow
68	0.8	15	Blowing Snow
6	0.1	16	Severe Crosswinds
5	0.1	17	Blowing Sand-Soil-Dirt
6700	74.7	18	Clear
1032	11.5	19	Cloudy
21	0.2	98	Other
88	1.0	99	Unknown

Variable 389	TRAFFIC CONTROL DEVICE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TRAFCONT

Variable 389:TRAFFIC CONTROL DEVICE (Continued)

20Aug08 Prcnt Code Value and Description

5494 61.3 0 No traffic control(s)
2570 28.7 1 Traffic control signal (not RR crossing)

Regulatory

604 6.7 2 Stop sign
32 0.4 3 Yield sign
3 0.0 4 School zone sign
151 1.7 5 Other regulatory sign
58 0.6 6 Warning sign (not RR crossing)
0 0.0 7 Unknown sign
45 0.5 8 Miscellaneous/other controls including RR controls
8 0.1 9 Unknown

Variable 390	CONTROL DEVICE FUNCTION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TRCTLEFCT

Traffic control device functioning

20Aug08 Prcnt Code Value and Description

5494 61.3 0 No traffic control device
18 0.2 1 Traffic control device not functioning
3433 38.3 2 Traffic control device functioning properly
20 0.2 9 Unknown

Variable 391	DRIVER PRESENCE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - DRPRES

Driver presence in vehicle

20Aug08 Prcnt Code Value and Description

258 2.9 0 Driver not present
8355 93.2 1 Driver present
352 3.9 9 Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 392	ALCOHOL PRESENCE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - DRINKING

Police reported alcohol presence

The phrase "alcohol present" means that the driver had consumed an alcoholic beverage. Presence is not an indication that alcohol was in any way a cause of the accident.

20Aug08	Prcnt	Code	Value and Description
6924	77.2	0	No alcohol present
697	7.8	1	Yes alcohol present
672	7.5	7	Not reported
279	3.1	8	No driver present
393	4.4	9	Unknown

Variable 393	ALCOHOL TEST RESULT	Width: 2	Type: Numeric
		Dec: 2	Miss: 0.99

NHTSA SAS Variable - ALCTEST

Alcohol test result for driver

20Aug08	Prcnt	Code	Value and Description
647	7.2	0.00	- Actual value
1	0.0	0.50	
34	0.4	0.95	Test refused
6789	75.7	0.96	None given
278	3.1	0.97	AC test performed, results unknown
279	3.1	0.98	No driver present
316	3.5	0.99	Unknown

Variable 394	OTHER DRUG PRESENCE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - DRUGS

Police reported other drug presence for driver

20Aug08	Prcnt	Code	Value and Description
6780	75.6	0	No other drug(s) present
129	1.4	1	Yes other drug(s) present
1399	15.6	7	Not reported
279	3.1	8	No driver present
378	4.2	9	Unknown

Variable 395	<u>OTH DRUG - SPECIMEN TEST</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - SPECOTH

Other drug specimen test result for driver

20Aug08	Prcnt	Code	Value and Description
7177	80.1	0	No specimen test given
440	4.9	1	Drug(s) not found in specimen
383	4.3	2	Drug(s) found in specimen
149	1.7	3	Specimen test given, results unknown or not obtained
279	3.1	8	No driver present
537	6.0	9	Unknown if specimen test given

Variable 396	<u>DRIVER'S ZIP CODE</u>	Width: 5	Type: Numeric
		Dec: None	Miss: 99999

NHTSA SAS Variable - DRZIP

20Aug08	Prcnt	Code	Value and Description
19	0.2	1	Driver not a resident of U.S. or territories - Actual 5-digit zip code
279	3.1	99998	Driver not present
243	2.7	99999	Unknown

Variable 397	<u>DRIVER'S RACE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - RACE

Prior version had RACE/ETHNICITY combined, now 2 variables
Driver's Race

20Aug08	Prcnt	Code	Value and Description
4191	46.7	1	White
1072	12.0	2	Black
142	1.6	3	Asian
14	0.2	4	Native Hawaiian/Other Pacific Islands
26	0.3	5	American Indian, Eskimo or Aleut
55	0.6	7	Other
279	3.1	8	Driver not present
3186	35.5	9	Unknown

Variable 398	DRIVER'S ETHNICITY C	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ETHNICIT

Prior version had RACE/ETHNICITY combined, now 2 variables
Driver's Ethnic Origin

20Aug08	Prcnt	Code	Value and Description
769	8.6	1	Hispanic/Latino
4548	50.7	2	Not Hispanic/Latino
279	3.1	8	Driver not present
3369	37.6	9	Unknown

Variable 399	AIR BAG DEPLOY 1ST SEAT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGDEPFV

Air Bag(s) Deployment, First Seat Frontal.

20Aug08	Prcnt	Code	Value and Description
8965	100.0	9	Not provided in 2006-2007 datasets

Variable 400	AIR BAG DEPLOY OTH SEAT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGDEPOV

Air Bag(s) Deployment, Other Than First Seat Frontal.

20Aug08	Prcnt	Code	Value and Description
8965	100.0	9	Not provided in 2006-2007 datasets

Variable 401	RESTRAINT TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - RESTYPE

Vina derived - Restraint Type

20Aug08	Prcnt	Code	Value and Description
554	6.2	1	A - Active (manual) belts
37	0.4	2	B - Driver front air bag / passenger side belt unknown
47	0.5	3	C - Dual front air bags / belt system unknown
112	1.2	4	D - Dual front air bag / passenger side passive belt
4246	47.4	5	E - Dual front air bags / active belts

Variable 401:RESTRAINT TYPE (Continued)

20Aug08	Prcnt	Code	Value and Description
15	0.2	6	F - Dual front air bags / passive belts
2	0.0	7	G - Dual air bags front and side/belts unknown
0	0.0	8	H - Dual air bags front, head and sides / belts unknown
4	0.0	9	I - Dual air bags front, head and sides / passive belts
10	0.1	10	J - Dual air bags front and sides / passive belts
846	9.4	11	K - Dual air bags front and sides / active belts
159	1.8	12	L - Dual air bags front, head and sides / active belts
424	4.7	13	M - Driver front air bag / passenger side active belt
0	0.0	14	N - If unable to determine
284	3.2	16	P - Passive (automatic) belts
203	2.3	18	R - Dual air bags front and side / active belts w/automatic passenger sensor
281	3.1	19	S - Dual air bags front, head, and side / active belts w/automatic passenger sensor
6	0.1	20	T - Dual air bags front / active belts / rear passenger side air bag
429	4.8	21	U - Dual front air bag / active belts w/passenger side deactivation/cutoff switch
36	0.4	22	V - Dual air bags front, head, and side / active belts / rear dual side air bags
57	0.6	23	W - Dual air bags front, head, and side / active belts w/automatic passenger sensor / rear dual side air bags
36	0.4	24	X - Dual air bags front / side air bag, driver-side only / active belts
15	0.2	33	3 - Dual front and head air bags with passenger sensor: active belts
286	3.2	34	4 - Dual front air bags with passenger sensor: active belts
92	1.0	37	7 - Dual front, side, head air bags, rear head air bags: active belts
413	4.6	39	Not applicable or missing data
371	4.1	99	Unknown

Variable 402	MAXIMUM TREATMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - VTREAT

Maxumim treatment in this vehicle

20Aug08	Prcnt	Code	Value and Description
2211	24.7	0	No treatment
453	5.1	1	Fatal
17	0.2	2	Fatal - ruled disease
1587	17.7	3	Hospitalization
2295	25.6	4	Transported and released
68	0.8	5	Treatment at scene
191	2.1	6	Treatment later
0	0.0	7	Treatment - other

Variable 402:MAXIMUM TREATMENT (Continued)

20Aug08 Prcnt Code Value and Description

103	1.1	8	Transported - unknown treatment
2040	22.8	9	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 403	MAXIMUM KNOWN AIS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - VAIS

20Aug08 Prcnt Code Value and Description

2004	22.4	0	Not injured
2496	27.8	1	Minor injury
705	7.9	2	Moderate injury
694	7.7	3	Serious injury
325	3.6	4	Severe injury
230	2.6	5	Critical injury
95	1.1	6	Maximum (untreatable) injury
359	4.0	7	Injury, unknown severity
2057	22.9	9	Unknown if injured or Inapplicable - Body Type (V309) = 50-99

Variable 404	NUM SERIOUSLY INJURED	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - VINJSER

Number of persons with TREATMENT-MORTALITY=1 or AIS=3-6

20Aug08 Prcnt Code Value and Description

5620	62.7	0	None
1250	13.9	1	
		-	Number of persons
1	0.0	7	
1915	21.4	99	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 405	NUMBER INJURED	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - VINJURED

Number of persons with TREATMENT-MORTALITY=1 or AIS=1-7

20Aug08 Prcnt Code Value and Description

2146	23.9	0	None
------	------	---	------

Variable 405:NUMBER INJURED (Continued)

20Aug08 Prcnt Code Value and Description

3617	40.3	1	
		-	Number of persons
3	0.0	8	
1915	21.4	99	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 406	NUMBER OF OCCUPANTS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - OCUPANTS

20Aug08 Prcnt Code Value and Description

240	2.7	0	
		-	Actual number of occupants for vehicle
1	0.0	10	
352	3.9	99	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 407	NUMBER OCCUPANT FORMS	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - OCCFORMS

Number of occupant forms submitted

20Aug08 Prcnt Code Value and Description

1563	17.4	0	
		-	Number of occupant forms
1	0.0	10	
352	3.9	99	Inapplicable - Body Type (V309) = 50-99

Variable 408	DELTA V EVENT NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - ACCSEQDV

20Aug08 Prcnt Code Value and Description

5489	61.2	1	Event #1
870	9.7	2	Event #2
336	3.7	3	Event #3
107	1.2	4	Event #4
51	0.6	5	Event #5
29	0.3	6	Event #6
9	0.1	7	Event #7
2	0.0	8	Event #8

Variable 408:DELTA V EVENT NUMBER (Continued)

20Aug08 Prcnt Code Value and Description

1	0.0	9	Event #9
1	0.0	10	Event #10
1	0.0	11	Event #11
1	0.0	13	Event #13
1	0.0	14	Event #14
2067	23.1	99	Unknown, no indication of Delta V coded, or Inapplicable - Body Type (V309) = 50-99

The EXTERIOR DAMAGE Variables

Variables 501 through 569 describe the exterior damage to the vehicle.

Variable 501	PSU NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSU

20Aug08 Prcnt	Code Value and Description	
248 2.8	2	- PSU Number
280 3.1	82	

Variable 502	CASE NUMBER	Width: 4	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - CASEID

Variable 503	RECORD NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

20Aug08 Prcnt	Code Value and Description	
2533 28.3	0	Filler - No damage record for this vehicle.
6432 71.7	6	Exterior Damage record

Variable 504	VERSION NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VERSION

20Aug08 Prcnt	Code Value and Description	
8965 100.0	20	Version 20

Variable 505	VEHICLE NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VEHNUM

20Aug08	Prcnt	Code	Value and Description
4963	55.4	1	Vehicle #1
3234	36.1	2	Vehicle #2
604	6.7	3	Vehicle #3
130	1.5	4	Vehicle #4
23	0.3	5	Vehicle #5
6	0.1	6	Vehicle #6
2	0.0	7	Vehicle #7
2	0.0	8	Vehicle #8
1	0.0	9	Vehicle #9

Variable 506	ACCIDENT SEQUENCE (1)	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - ACCSEQ1

CDC 1 - ACCIDENT EVENT SEQUENCE NUMBER

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	No event
5111	57.0	1	- Sequence number
1	0.0	14	
2533	28.3	99	No Record

Variable 507	OBJECT CONTACTED (1)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - OBJCONT1

20Aug08	Prcnt	Code	Value and Description
Collision with Motor Vehicle in Transport			
0	0.0	0	No event or CDC applicable
2246	25.1	1	- Vehicle number
7	0.1	5	
Noncollision			
375	4.2	31	Overturn - rollover (excludes end-over-end)
1	0.0	32	Rollover - end-over-end
1	0.0	34	Jackknife
0	0.0	38	Other noncollision
0	0.0	39	Noncollision - details unknown

Variable 507:OBJECT CONTACTED (1) (Continued)

20Aug08	Prcnt	Code	Value and Description
			Collision with fixed object
15	0.2	41	Tree (< or = 10 cm in diameter)
330	3.7	42	Tree (> 10 cm in diameter)
2	0.0	43	Shrubbery or bush
56	0.6	44	Embankment
16	0.2	45	Breakaway pole or post (any diameter)
			Nonbreakaway pole or post
18	0.2	50	Pole or post (< or = 10 cm in diameter)
151	1.7	51	Pole or post (> 10 or < or = 30 cm in diameter)
88	1.0	52	Pole or post (> 30 cm in diameter)
9	0.1	53	Pole, post - diameter unknown
135	1.5	54	Concrete traffic barrier
3	0.0	55	Impact attenuator
95	1.1	56	Other traffic barrier (includes guardrail)
8	0.1	57	Fence
40	0.4	58	Wall
24	0.3	59	Building
68	0.8	60	Ditch or culvert
14	0.2	61	Ground
7	0.1	62	Fire hydrant
16	0.2	63	Curb
23	0.3	64	Bridge
41	0.5	68	Other fixed object
0	0.0	69	Unknown fixed object
			Collision with nonfixed object
0	0.0	70	Passenger car, light truck, van or other vehicle not in-transport
0	0.0	71	Medium/heavy truck or bus not in-transport
1	0.0	72	Pedestrian
1	0.0	73	Cyclist or cycle
1	0.0	74	Other nonmotorist or conveyance
0	0.0	75	Vehicle occupant
30	0.3	76	Animal
3	0.0	77	Train
1	0.0	78	Trailer, disconnected in transport
8	0.1	79	Object fell from vehicle in transport
28	0.3	88	Other nonfixed object
2	0.0	89	Unknown nonfixed object
1	0.0	98	Other event
2534	28.3	99	Unknown event or object

Variable	508	DIRECTION OF FORCE (1)	Width: 2	Type: Numeric
			Dec: None	Miss: 99

NHTSA SAS Variable - DOF1

20Aug08 Prcnt Code Value and Description

503	5.6	0	Nonhorizontal force
519	5.8	1	1 o'clock
278	3.1	2	2 o'clock
154	1.7	3	3 o'clock
38	0.4	4	4 o'clock
39	0.4	5	5 o'clock
575	6.4	6	6 o'clock
69	0.8	7	7 o'clock
49	0.5	8	8 o'clock
173	1.9	9	9 o'clock
318	3.5	10	10 o'clock
510	5.7	11	11 o'clock
2264	25.3	12	12 o'clock
End shift vertical - up; top shift forward			
4	0.0	20	Nonhorizontal force
5	0.1	21	1 o'clock
1	0.0	25	5 o'clock
4	0.0	26	6 o'clock
1	0.0	31	11 o'clock
12	0.1	32	12 o'clock
End shift vertical - down; top shift rearward			
3	0.0	40	Nonhorizontal force
1	0.0	41	1 o'clock
10	0.1	46	6 o'clock
1	0.0	47	7 o'clock
5	0.1	52	12 o'clock
End or top shift lateral - right			
3	0.0	60	Nonhorizontal force
6	0.1	61	1 o'clock
9	0.1	62	2 o'clock
6	0.1	63	3 o'clock
1	0.0	66	6 o'clock
1	0.0	67	7 o'clock
3	0.0	68	8 o'clock
12	0.1	69	9 o'clock
39	0.4	70	10 o'clock
99	1.1	71	11 o'clock
42	0.5	72	12 o'clock
End or top shift lateral - left			
7	0.1	80	Nonhorizontal force
91	1.0	81	1 o'clock
29	0.3	82	2 o'clock
4	0.0	83	3 o'clock
1	0.0	85	5 o'clock
2	0.0	86	6 o'clock

Variable 508:DIRECTION OF FORCE (1) (Continued)

20Aug08 Prcnt Code Value and Description

3	0.0	89	9 o'clock
4	0.0	90	10 o'clock
6	0.1	91	11 o'clock
23	0.3	92	12 o'clock

3038	33.9	99	Unknown/No record
------	------	----	-------------------

Variable 509	DEFORMATION LOCATION (1)	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - GAD1

Variable 510	LONG/LAT LOCATION (1)	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - SHL1

Variable 511	VERT/LAT LOCATION (1)	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - SVL1

Variable 512	TYPE OF DISTRIB (1)	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - TDD1

Variable 513	DEFORMATION EXTENT (1)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - EXTENT1

CDC 1 - DEFORMATION EXTENT

20Aug08 Prcnt Code Value and Description

0	0.0	0	No event
1427	15.9	1	Extent zone 1

Variable 513:DEFORMATION EXTENT (1) (Continued)

20Aug08 Prcnt Code Value and Description

1591	17.7	2	Extent zone 2
1109	12.4	3	Extent zone 3
434	4.8	4	Extent zone 4
204	2.3	5	Extent zone 5
196	2.2	6	Extent zone 6
58	0.6	7	Extent zone 7
38	0.4	8	Extent zone 8
100	1.1	9	Extent zone 9
3808	42.5	99	Unknown/No record

Variable 514	DEFORM LOC (1) - NUMERIC	Width: 2	Type: Numeric
		Dec: None	Miss: 39

NHTSA SAS Variable - GAD1 (numeric recode)

Deformation location (1) - numeric

20Aug08 Prcnt Code Value and Description

643	7.2	2	B - Back (rear)
3506	39.1	6	F - Front
930	10.4	12	L - Left side
763	8.5	18	R - Right side
359	4.0	20	T - Top
20	0.2	21	U - Undercarriage
211	2.4	39	Unknown
2533	28.3	99	Not applicable or No CDC

Variable 515	LONG/LAT LOC (1)-NUMERIC	Width: 2	Type: Numeric
		Dec: None	Miss: 39

NHTSA SAS Variable - SHL1 (numeric recode)

Specific longitudinal or lateral location (1) - numeric

20Aug08 Prcnt Code Value and Description

92	1.0	2	B
71	0.8	3	C
2350	26.2	4	D
295	3.3	6	F
463	5.2	12	L
280	3.1	16	P
368	4.1	18	R
1146	12.8	25	Y
731	8.2	26	Z
636	7.1	39	Unknown
2533	28.3	99	Not applicable or No CDC

Variable 515:LONG/LAT LOC (1)-NUMERIC (Continued)

20Aug08	Prcnt	Code	Value and Description
Horizontal Impacts			
		2	B - Side rear -- left or right
		3	C - Center -- front or rear
		4	D - Distributed -- side or end
		6	F - Side front -- left or right
		12	L - Left -- front or rear
		16	P - Side center section -- L or C
		18	R - Right -- front or rear
		25	Y - Side (F + P) or end (L + C)
		26	Z - Side (P + B) or end (C + R)
		39	Unknown
Top or Undercarriage			
		2	B - Rear section
		4	D - Distributed (F+P+B)
		6	F - Front section
		16	P - Center section
		25	Y - F+P
		26	Z - P+B
		39	Unknown

Variable 516	<u>VERT/LAT LOC (1)-NUMERIC</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 39

NHTSA SAS Variable - SVL1 (numeric recode)

Specific vertical or lateral location (1) - numeric

20Aug08	Prcnt	Code	Value and Description
571	6.4	1	A
1	0.0	3	C
341	3.8	4	D
4653	51.9	5	E
16	0.2	7	G
11	0.1	8	H
164	1.8	12	L
25	0.3	13	M
2	0.0	18	R
16	0.2	23	W
9	0.1	25	Y
5	0.1	26	Z
618	6.9	39	Unknown
2533	28.3	99	Not applicable or No CDC

CDC (Vertical - Front, Rear, or Side Impacts)

1	A - All
5	E - Everything below belt line
7	G - Belt line and above
8	H - Top of frame to top

Variable 516:VERT/LAT LOC (1)-NUMERIC (Continued)

20Aug08 Prcnt	Code Value and Description	
	12	L - Frame -- top of frame, frame, bottom of frame (including undercarriage)
	13	M - Middle -- top of frame to belt line or hood
	23	W - Below undercarriage level (wheels and tires only)
	39	Unknown
	CDC (Lateral - Top and Undercarriage Impacts)	
	5	C - Center
	4	D - Distributed
	12	L - Left
	18	R - Right
	25	Y - Left and Center (L + C)
	26	Z - Right and Center (R + C)
	39	Unknown

Variable 517	TYPE OF DISTRIB (1)-NUM	Width: 2	Type: Numeric
		Dec: None	Miss: 39

NHTSA SAS Variable - TDD1 (numeric recode)

Type of damage distribution (1) - numeric

20Aug08 Prcnt	Code Value and Description	
11	0.1	1 A - Overhanging structure
494	5.5	5 E - Corner
1	0.0	11 K - Conversion in impact type
209	2.3	14 N - Narrow impact area
375	4.2	15 O - Rollover (includes side)
165	1.8	19 S - Sideswipe
10	0.1	21 U - No residual deformation
4479	50.0	23 W - Wide impact area
688	7.7	39 Unknown
2533	28.3	99 Not applicable or No CDC

Variable 518	ACCIDENT SEQUENCE (2)	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - ACCSEQ2

CDC 2 - ACCIDENT EVENT SEQUENCE NUMBER

20Aug08 Prcnt	Code Value and Description	
0	0.0	0 No event
575	6.4	1
		- Sequence number
2	0.0	12

Variable 518:ACCIDENT SEQUENCE (2) (Continued)

20Aug08 Prcnt Code Value and Description

6422 71.6 99 No Record

Variable 519 OBJECT CONTACTED (2) Width: 2 Type: Numeric
Dec: None Miss: 99

NHTSA SAS Variable - OBJCONT2

20Aug08 Prcnt Code Value and Description

Collision with Motor Vehicle in Transport

0	0.0	0	No event or not CDC applicable
363	4.0	1	- Vehicle number
1	0.0	7	

Noncollision

260	2.9	31	Overturn - rollover (excludes end-over-end)
1	0.0	32	Rollover - end-over-end
2	0.0	34	Jackknife
0	0.0	38	Other noncollision
0	0.0	39	Noncollision - details unknown

Collision with fixed object

35	0.4	41	Tree (< or = 10 cm in diameter)
157	1.8	42	Tree (> 10 cm in diameter)
16	0.2	43	Shrubbery or bush
64	0.7	44	Embankment
26	0.3	45	Breakaway pole or post (any diameter)

Nonbreakaway pole or post

80	0.9	50	Pole or post (< or = 10 cm in diameter)
75	0.8	51	Pole or post (> 10 or < or = 30 cm in diameter)
26	0.3	52	Pole or post (> 30 cm in diameter)
4	0.0	53	Pole, post - diameter unknown

104	1.2	54	Concrete traffic barrier
3	0.0	55	Impact attenuator
119	1.3	56	Other traffic barrier (includes guardrail)
58	0.6	57	Fence
31	0.3	58	Wall
16	0.2	59	Building
53	0.6	60	Ditch or culvert
24	0.3	61	Ground
15	0.2	62	Fire hydrant
115	1.3	63	Curb
5	0.1	64	Bridge
77	0.9	68	Other fixed object
3	0.0	69	Unknown fixed object

Variable 519:OBJECT CONTACTED (2) (Continued)

20Aug08	Prcnt	Code	Value and Description
			Collision with nonfixed object
0	0.0	70	Passenger car, light truck, van or other vehicle not in-transport
0	0.0	71	Medium/heavy truck or bus not in-transport
3	0.0	72	Pedestrian
2	0.0	73	Cyclist or cycle
0	0.0	74	Other nonmotorist or conveyance
2	0.0	75	Vehicle occupant
9	0.1	76	Animal
1	0.0	77	Train
2	0.0	78	Trailer, disconnected in transport
3	0.0	79	Object fell from vehicle in transport
27	0.3	88	Other nonfixed object
0	0.0	89	Unknown nonfixed object
1	0.0	98	Other event
6440	71.8	99	Unknown event or object

Variable 520	DIRECTION OF FORCE (2)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - DOF2

20Aug08	Prcnt	Code	Value and Description
417	4.7	0	Nonhorizontal force
96	1.1	1	1 o'clock
55	0.6	2	2 o'clock
253	2.8	3	3 o'clock
33	0.4	4	4 o'clock
39	0.4	5	5 o'clock
125	1.4	6	6 o'clock
33	0.4	7	7 o'clock
37	0.4	8	8 o'clock
288	3.2	9	9 o'clock
64	0.7	10	10 o'clock
100	1.1	11	11 o'clock
742	8.3	12	12 o'clock
			End shift vertical - up; top shift forward
4	0.0	20	Nonhorizontal force
1	0.0	32	12 o'clock
			End shift vertical - down; top shift rearward
2	0.0	40	Nonhorizontal force
1	0.0	46	6 o'clock
			End or top shift lateral - right
4	0.0	60	Nonhorizontal force

Variable 520:DIRECTION OF FORCE (2) (Continued)

20Aug08 Prcnt Code Value and Description

1	0.0	62	2 o'clock
1	0.0	68	8 o'clock
1	0.0	70	10 o'clock
1	0.0	71	11 o'clock
1	0.0	72	12 o'clock

End or top shift lateral - left

1	0.0	80	Nonhorizontal force
2	0.0	82	2 o'clock
1	0.0	83	3 o'clock
1	0.0	85	5 o'clock
1	0.0	91	11 o'clock

6660	74.3	99	Unknown/No record
------	------	----	-------------------

<u>Variable 521</u>	<u>DEFORMATION LOCATION (2)</u>	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - GAD2

<u>Variable 522</u>	<u>LONG/LAT LOCATION (2)</u>	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - SHL2

<u>Variable 523</u>	<u>VERT/LAT LOCATION (2)</u>	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - SVL2

<u>Variable 524</u>	<u>TYPE OF DISTRIB (2)</u>	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - TDD2

Variable 525	DEFORMATION EXTENT (2)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - EXTENT2

CDC 2 - DEFORMATION EXTENT

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	No event
862	9.6	1	Extent zone 1
497	5.5	2	Extent zone 2
321	3.6	3	Extent zone 3
46	0.5	4	Extent zone 4
25	0.3	5	Extent zone 5
30	0.3	6	Extent zone 6
7	0.1	7	Extent zone 7
7	0.1	8	Extent zone 8
39	0.4	9	Extent zone 9
7131	79.5	99	Unknown/No record

Variable 526	DEFORM LOC (2) - NUMERIC	Width: 2	Type: Numeric
		Dec: None	Miss: 39

NHTSA SAS Variable - GAD2 (numeric recode)

Deformation location (2) - numeric

20Aug08	Prcnt	Code	Value and Description
177	2.0	2	B - Back (rear)
859	9.6	6	F - Front
622	6.9	12	L - Left side
571	6.4	18	R - Right side
199	2.2	20	T - Top
66	0.7	21	U - Undercarriage
49	0.5	39	Unknown
6422	71.6	99	Not applicable or No CDC

Variable 527	LONG/LAT LOC (2)-NUMERIC	Width: 2	Type: Numeric
		Dec: None	Miss: 39

NHTSA SAS Variable - SHL2 (numeric recode)

Specific longitudinal or lateral location (2) - numeric

20Aug08	Prcnt	Code	Value and Description
343	3.8	2	B
26	0.3	3	C
543	6.1	4	D
203	2.3	6	F

Variable 527:LONG/LAT LOC (2)-NUMERIC (Continued)

20Aug08	Prcnt	Code	Value and Description
172	1.9	12	L
174	1.9	16	P
205	2.3	18	R
210	2.3	25	Y
274	3.1	26	Z
393	4.4	39	Unknown
6422	71.6	99	Not applicable or No CDC

Horizontal Impacts

2	B - Side rear -- left or right
3	C - Center -- front or rear
4	D - Distributed -- side or end
6	F - Side front -- left or right
12	L - Left -- front or rear
16	P - Side center section -- L or C
18	R - Right -- front or rear
25	Y - Side (F + P) or end (L + C)
26	Z - Side (P + B) or end (C + R)
39	Unknown

Top or Undercarriage

2	B - Rear section
4	D - Distributed (F+P+B)
6	F - Front section
16	P - Center section
25	Y - F+P
26	Z - P+B
39	Unknown

Variable 528	VERT/LAT LOC (2)-NUMERIC	Width: 2	Type: Numeric
		Dec: None	Miss: 39

NHTSA SAS Variable - SVL2 (numeric recode)

Specific vertical or lateral location (2) - numeric

20Aug08	Prcnt	Code	Value and Description
201	2.2	1	A
200	2.2	4	D
1417	15.8	5	E
14	0.2	7	G
11	0.1	8	H
122	1.4	12	L
43	0.5	13	M
9	0.1	18	R
125	1.4	23	W
5	0.1	25	Y
6	0.1	26	Z
390	4.4	39	Unknown

Variable 528:VERT/LAT LOC (2)-NUMERIC (Continued)

20Aug08 Prcnt Code Value and Description

6422 71.6 99 Not applicable or No CDC

CDC (Vertical - Front, Rear, or Side Impacts)

- 1 A - All
- 5 E - Everything below belt line
- 7 G - Belt line and above
- 8 H - Top of frame to top
- 12 L - Frame -- top of frame, frame, bottom of frame (including undercarriage)
- 13 M - Middle -- top of frame to belt line or hood
- 23 W - Below undercarriage level (wheels and tires only)
- 39 Unknown

CDC (Lateral - Top and Undercarriage Impacts)

- 5 C - Center
- 4 D - Distributed
- 12 L - Left
- 18 R - Right
- 25 Y - Left and Center (L + C)
- 26 Z - Right and Center (R + C)
- 39 Unknown

Variable 529	TYPE OF DISTRIB (2)-NUM	Width: 2	Type: Numeric
		Dec: None	Miss: 39

NHTSA SAS Variable - TDD2 (numeric recode)

Type of damage distribution (2) - numeric

20Aug08 Prcnt Code Value and Description

170 1.9 5 E - Corner
 300 3.3 14 N - Narrow impact area
 260 2.9 15 O - Rollover (includes side)
 225 2.5 19 S - Sideswipe
 20 0.2 21 U - No residual deformation
 1118 12.5 23 W - Wide impact area
 450 5.0 39 Unknown
 6422 71.6 99 Not applicable or No CDC

The CRUSH PROFILE Variables

Variables 530 through 545 describe the profiles of the Primary and Secondary CDC crush.

Variable 530	HIGHEST DELTA-V - "L"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DVL

Width of direct and induced damage

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	Less than 0.5 centimeters
1	0.0	18	18 cm
		-	
1	0.0	546	546 cm
4938	55.1	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 531	HIGHEST DELTA-V - "C1"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DVC1

Depth of direct damage at point C1 - there may be 2, 4 or 6 C measurements

20Aug08	Prcnt	Code	Value and Description
1186	13.2	0	Less than 0.5 centimeters
202	2.3	1	1 cm
		-	
1	0.0	217	217 cm
4938	55.1	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 532	HIGHEST DELTA-V - "C2"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DVC2

Depth of direct damage at point C2 - there may be 2, 4 or 6 C measurements

20Aug08	Prcnt	Code	Value and Description
540	6.0	0	Less than 0.5 centimeters
180	2.0	1	1 cm

Variable 532:HIGHEST DELTA-V - "C2" (Continued)

20Aug08 Prcnt Code Value and Description

		-	
1	0.0	181	181 cm
4938	55.1	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 533	HIGHEST DELTA-V - "C3"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DVC3

Depth of direct damage at point C3 - there may be 2, 4 or 6 C measurements

20Aug08 Prcnt Code Value and Description

372	4.1	0	Less than 0.5 centimeters
151	1.7	1	1 cm
		-	
1	0.0	158	158 cm
4940	55.1	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 534	HIGHEST DELTA-V - "C4"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DVC4

Depth of direct damage at point C4 - there may be 2, 4 or 6 C measurements

20Aug08 Prcnt Code Value and Description

361	4.0	0	Less than 0.5 centimeters
158	1.8	1	1 cm
		-	
1	0.0	174	174 cm
4940	55.1	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 535	HIGHEST DELTA-V - "C5"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DVC5

Depth of direct damage at point C5 - there may be 2, 4 or 6 C measurements

Variable 535:HIGHEST DELTA-V - "C5" (Continued)

20Aug08	Prcnt	Code	Value and Description
503	5.6	0	Less than 0.5 centimeters
209	2.3	1	1 cm
		-	
1	0.0	169	169 cm
4947	55.2	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 536	HIGHEST DELTA-V - "C6"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DVC6

Depth of direct damage at point C6 - there may be 2, 4 or 6 C measurements

20Aug08	Prcnt	Code	Value and Description
1122	12.5	0	Less than 0.5 centimeters
217	2.4	1	1 cm
		-	
1	0.0	247	247 cm
4947	55.2	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 537	HIGHEST DELTA-V - "D"	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

NHTSA SAS Variable - DVD

Offset from center of vehicle to the center of the damage (end or side). Values may be negative, meaning rearward with side damage or left with end plane damage.

20Aug08	Prcnt	Code	Value and Description
1	0.0	-256	256 cm
		-	Damage offset
1	0.0	251	251 cm
4938	55.1	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 538	SECOND DELTA-V - "L"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - SDVL

Width of secondary direct and induced damage

Variable 538:SECOND DELTA-V - "L" (Continued)

20Aug08 Prcnt Code Value and Description

0	0.0	0	Less than 0.5 centimeters
1	0.0	13	13 cm
		-	
1	0.0	461	461 cm
8007	89.3	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 539	SECOND DELTA-V - "C1"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - SDVC1

Depth of direct damage at point C1 - there may be 2, 4 or 6 C measurements

20Aug08 Prcnt Code Value and Description

341	3.8	0	Less than 0.5 centimeters
89	1.0	1	1 cm
		-	
1	0.0	85	85 cm
8007	89.3	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 540	SECOND DELTA-V - "C2"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - SDVC2

Depth of direct damage at point C2 - there may be 2, 4 or 6 C measurements

20Aug08 Prcnt Code Value and Description

191	2.1	0	Less than 0.5 centimeters
88	1.0	1	1 cm
		-	
1	0.0	65	65 cm
8007	89.3	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 541	SECOND DELTA-V - "C3"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - SDVC3

Depth of direct damage at point C3 - there may be 2, 4 or 6 C measurements

Variable 541:SECOND DELTA-V - "C3" (Continued)

20Aug08	Prcnt	Code	Value and Description
152	1.7	0	Less than 0.5 centimeters
80	0.9	1	1 cm
		-	
1	0.0	68	68 cm
8007	89.3	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 542	SECOND DELTA-V - "C4"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - SDVC4

Depth of direct damage at point C4 - there may be 2, 4 or 6 C measurements

20Aug08	Prcnt	Code	Value and Description
167	1.9	0	Less than 0.5 centimeters
80	0.9	1	1 cm
		-	
1	0.0	64	64 cm
8007	89.3	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 543	SECOND DELTA-V - "C5"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - SDVC5

Depth of direct damage at point C5 - there may be 2, 4 or 6 C measurements

20Aug08	Prcnt	Code	Value and Description
215	2.4	0	Less than 0.5 centimeters
99	1.1	1	1 cm
		-	
1	0.0	72	72 cm
8032	89.6	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 544	SECOND DELTA-V - "C6"	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - SDVC6

Depth of direct damage at point C6 - there may be 2, 4 or 6 C measurements

Variable 544:SECOND DELTA-V - "C6" (Continued)

20Aug08 Prcnt Code Value and Description

393	4.4	0	Less than 0.5 centimeters
82	0.9	1	1 cm
		-	
1	0.0	62	62 cm
8032	89.6	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 545	SECOND DELTA-V - "D"	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

NHTSA SAS Variable - SDVD

Offset from center of vehicle to the center of the damage (end or side). Values may be negative, meaning rearward with side damage or left with end plane damage.

20Aug08 Prcnt Code Value and Description

1	0.0	-279	279 cm
		-	Damage offset
1	0.0	231	231 cm
8007	89.3	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 546	CDC'S DOC/NOT CODED	Width: 1	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - DOCCDC

Are CDCs documented but not coded on the automated file?

20Aug08 Prcnt Code Value and Description

5526	61.6	0	No
906	10.1	1	Yes
2533	28.3	9	No record

Variable 547	VEHICLE DISPOSITION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TOWRES

Researcher's assessment of vehicle disposition

20Aug08 Prcnt Code Value and Description

1102	12.3	0	Not towed due to vehicle damage
4935	55.0	1	Towed due to vehicle damage

Variable 547:VEHICLE DISPOSITION (Continued)

20Aug08	Prcnt	Code	Value and Description
2928	32.7	9	Unknown/No record

Variable 548	ORIGINAL WHEELBASE	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - WHEELBAS

20Aug08	Prcnt	Code	Value and Description
1	0.0	203	- Wheelbase (in increments of 1 cm)
2	0.0	450	
0	0.0	650	650 centimeters or more
2539	28.3	999	Unknown/No record

Variable 549	MULTI-STAGE VEHICLE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ALTVEH

Multi-stage manuf. vehicle and/or a certified altered veh?

20Aug08	Prcnt	Code	Value and Description
6326	70.6	0	No post manufacturer modifications
93	1.0	1	Yes - post manufacturer modifications
2546	28.4	9	Unknown if vehicle is modified

Variable 550	FIRE OCCURRENCE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FIRE

20Aug08	Prcnt	Code	Value and Description
6375	71.1	0	No fire
			Yes, fire occurred
27	0.3	1	Minor
30	0.3	2	Major
2533	28.3	9	Unknown

Variable 551	ORIGIN OF FIRE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FIREORIG

20Aug08	Prcnt	Code	Value and Description
6375	71.1	0	No fire
4	0.0	1	Vehicle exterior (front, side, back, top)
0	0.0	2	Exhaust system
2	0.0	3	Fuel tank (and other fuel retention system parts)
35	0.4	4	Engine compartment
0	0.0	5	Cargo/trunk compartment
3	0.0	6	Instrument panel
0	0.0	7	Passenger compartment area
1	0.0	8	Other location
2545	28.4	9	Unknown

Variable 552	TYPE OF FUEL TANK 1	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELTKN1

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	No fuel tank (electric vehicle)
117	1.3	1	Metallic
80	0.9	2	NonMetallic
8768	97.8	9	Unknown

Variable 553	TYPE OF FUEL TANK 2	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELTKN2

20Aug08	Prcnt	Code	Value and Description
1	0.0	0	No fuel tank (electric vehicle)
8964	100.0	9	Unknown

Variable 554	FUEL TANK 1 LOCATION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELLOC1

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	No fuel tank
43	0.5	1	Aft of center of the rear wheels (rear axle) centered
12	0.1	2	Aft of center of the rear wheels (rear axle) left side

Variable 554:FUEL TANK 1 LOCATION (Continued)

20Aug08	Prcnt	Code	Value and Description
4	0.0	3	Aft of center of the rear wheels (rear axle) right side
97	1.1	4	Forward of center of the rear wheels (rear axle) centered
68	0.8	5	Forward of center of the rear wheels (rear axle) left side
6	0.1	6	Forward of center of the rear wheels (rear axle) right side
3	0.0	7	Over center of the rear wheels (rear axle)
1	0.0	8	Other
8731	97.4	9	Unknown

Variable 555	FUEL TANK 2 LOCATION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELLOC2

20Aug08	Prcnt	Code	Value and Description
1	0.0	1	Aft of center of the rear wheels (rear axle) centered
8964	100.0	9	Unknown

Variable 556	FUEL TANK 1 FILLER CAP	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELCAPI

Fuel tank 1 filler cap location

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	No fuel tank
4	0.0	1	On back plane
162	1.8	2	Aft of center of the rear wheels (rear axle) on left side plane
62	0.7	3	Aft of center of the rear wheels (rear axle) on right side plane
60	0.7	4	Forward of center of the rear wheels (rear axle) on left side plane
5	0.1	5	Forward of center of the rear wheels (rear axle) on right side plane
17	0.2	6	Over the center of the rear wheels (rear axle) on left side plane
4	0.0	7	Over the center of the rear wheels (rear axle) on right side plane
0	0.0	8	Other
8651	96.5	9	Unknown

Variable 557	FUEL TANK 2 FILLER CAP	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELCAP2

Fuel tank 2 filler cap location

20Aug08	Prcnt	Code	Value and Description
1	0.0	0	No fuel tank
1	0.0	2	Aft of center of the rear wheels (rear axle) on left side plane
8963	100.0	9	Unknown

Variable 558	FUEL TANK 1 DAMAGE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELDAM1

20Aug08	Prcnt	Code	Value and Description
1	0.0	0	No fuel tank
5952	66.4	1	No damage to fuel tank
73	0.8	2	Deformed, no seam failure
4	0.0	3	Deformed, with a seam failure
6	0.1	4	Punctured
2	0.0	5	Lacerated (ripped)
5	0.1	6	Abraded (scraped)
2	0.0	7	Filler neck separation from the fuel tank
11	0.1	8	Other damage
2909	32.4	9	Unknown

Variable 559	FUEL TANK 2 DAMAGE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELDAM2

20Aug08	Prcnt	Code	Value and Description
40	0.4	1	No damage to fuel tank
8925	99.6	9	Unknown

Variable 560	LOCATION OF FUEL 1 LEAK	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELEAK1

Location of fuel system 1 leakage

Variable 560:LOCATION OF FUEL 1 LEAK (Continued)

20Aug08 Prcnt Code Value and Description

1	0.0	0	No fuel tank
6026	67.2	1	No fuel leakage
			Primary area of leakage
10	0.1	2	Tank
4	0.0	3	Filler neck
0	0.0	4	Cap
1	0.0	5	Lines/pump/filter
0	0.0	6	Vent/emission recovery
3	0.0	8	Other
2920	32.6	9	Unknown

Variable 561	LOCATION OF FUEL 2 LEAK	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELEAK2

Location of fuel system 2 leakage

20Aug08 Prcnt Code Value and Description

40	0.4	1	No fuel leakage
8925	99.6	9	Unknown

Variable 562	FUEL TYPE 1	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - FUELTYPL

20Aug08 Prcnt Code Value and Description

			Single fuel type
0	0.0	0	No fuel tank
6326	70.6	1	Gasoline
76	0.8	2	Diesel
2	0.0	3	CNG (Compressed Natural Gas)
0	0.0	4	LPG (Liquid Petroleum Gas) also known as Propane
0	0.0	5	LNG (Liquid Natural Gas)
0	0.0	6	Methanol (M100 or M85)
9	0.1	7	Ethanol (E100 or E85)
0	0.0	8	Other (Hydrogen or others)
			Electric powered or electric/solar powered vehicles
0	0.0	10	Lead acid battery

Variable 562:FUEL TYPE 1 (Continued)

20Aug08	Prcnt	Code	Value and Description
0	0.0	11	Nickel-iron battery
0	0.0	12	Nickel-cadmium battery
0	0.0	13	Sodium metal chloride battery
0	0.0	14	Sodium sulfur battery
0	0.0	15	Nickel-metal Hydride
0	0.0	18	Other
0	0.0	98	Other Hybrid
2552	28.5	99	Unknown

Variable 563	FUEL TYPE 2	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - FUELTYPE2

20Aug08	Prcnt	Code	Value and Description
			Single fuel type
22	0.2	1	Gasoline
11	0.1	7	Ethanol (E100 or E85)
			Electric powered or electric/solar powered vehicles
9	0.1	15	Nickel-metal Hydride
8923	99.5	99	Unknown

Variable 564	MORE THAN 2 FUEL TANKS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELGT2

Is this vehicle equipped with more than two fuel tanks?

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	No (one or two tanks only)
			Yes - more than two tanks
0	0.0	1	Yes, no damage to any tank or filler cap and no fuel system leakage
0	0.0	2	Yes, no damage to any tank or filler cap but there is fuel system leakage
0	0.0	3	Yes, damage to additional tank or filler cap and there is fuel system leakage, and specify the following: Type of tank Tank location Filler cap location Tank damage

Variable 564:MORE THAN 2 FUEL TANKS (Continued)

20Aug08	Prcnt	Code	Value and Description
			Location of leakage Type of fuel
8965	100.0	9	Unknown if more than two tanks

Variable 565	UNDEFORMED END WIDTH	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - UNDENDW

Undeformed end width (coded when highest severity impact is an end plane impact)

20Aug08	Prcnt	Code	Value and Description
1	0.0	121	- Code measured value to the nearest centimeter
2	0.0	200	
0	0.0	250	250 centimeters or more
2283	25.5	998	No highest severity end plane impact
2944	32.8	999	Unknown

Variable 566	DIRECT DAMAGE WIDTH	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DIRDAMW

Direct damage width (for highest severity impact)

20Aug08	Prcnt	Code	Value and Description
2	0.0	1	- Code measured value to the nearest centimeter
1	0.0	249	
392	4.4	250	250 centimeters or more
4148	46.3	999	Unknown

Variable 567	ORIGINAL AVE. TRACK WID.	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - ORIGAVTW

Original average track width

Variable 567:ORIGINAL AVE. TRACK WID. (Continued)

20Aug08	Prcnt	Code	Value and Description
1	0.0	102	- Code to the nearest centimeter
1	0.0	182	
8	0.1	185	185 centimeters or more
2722	30.4	999	Unknown

Variable 568	PDOF1-CLOCK DEGREES	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - PDOF1

Primary CDC Clock in degrees

20Aug08	Prcnt	Code	Value and Description
1292	14.4	0	0 degrees
		-	
617	6.9	350	350 degrees
520	5.8	998	Non horizontal impact
3031	33.8	999	Unknown

Variable 569	PDOF2-CLOCK DEGREES	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - PDOF2

Secondary CDC Clock in degrees

20Aug08	Prcnt	Code	Value and Description
521	5.8	0	0 degrees
		-	
106	1.2	350	350 degrees
428	4.8	998	Non horizontal impact
6660	74.3	999	Unknown

The INTERIOR DAMAGE "A" Variables

Variables 601 through 648 describe interior damage to the vehicles involved in the accident. Additional interior damage information is documented in Variables 701 - 756.

Variable 601	PSU NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSU

20Aug08	Prcnt	Code	Value and Description
248	2.8	2	- PSU Number
280	3.1	82	

Variable 602	CASE NUMBER	Width: 4	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - CASEID

Variable 603	RECORD NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

20Aug08	Prcnt	Code	Value and Description
3328	37.1	0	Filler - No damage record for this vehicle.
5637	62.9	7	Interior Damage "A" record

Variable 604	VERSION NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VERSION

20Aug08	Prcnt	Code	Value and Description
8965	100.0	20	Version 20

Variable 605	VEHICLE NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VEHNUM

20Aug08	Prcnt	Code	Value and Description
---------	-------	------	-----------------------

4963	55.4	1	Vehicle #1
3234	36.1	2	Vehicle #2
604	6.7	3	Vehicle #3
130	1.5	4	Vehicle #4
23	0.3	5	Vehicle #5
6	0.1	6	Vehicle #6
2	0.0	7	Vehicle #7
2	0.0	8	Vehicle #8
1	0.0	9	Vehicle #9

Variable 606	PASS COMPART INTEGRITY	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - PASINTEG

Passenger compartment integrity

20Aug08	Prcnt	Code	Value and Description
---------	-------	------	-----------------------

14	0.2	0	No integrity loss
			Yes, integrity was lost through:
71	0.8	1	Windshield
10	0.1	2	Door (side)
3	0.0	3	Door/hatch (back door)
1	0.0	4	Roof
4	0.0	5	Roof glass
918	10.2	6	Side window
137	1.5	7	Rear window (backlight)
0	0.0	8	Roof and roof glass
5	0.1	9	Windshield and door (side)
0	0.0	10	Windshield and roof
357	4.0	11	Side and rear window (side window and backlight)
139	1.6	12	Windshield and side window
72	0.8	13	Door and side window
438	4.9	98	Other combination of above
6796	75.8	99	Unknown/No record

Variable 607	DOOR/GATE/HATCH OPN - LF	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - OPENLF

D/G/H opening - left front (driver's side)

20Aug08	Prcnt	Code	Value and Description
3	0.0	0	No door/gate/hatch
4140	46.2	1	Door/gate/hatch remained closed and operational
70	0.8	2	Door/gate/hatch came open during collision
1031	11.5	3	Door/gate/hatch jammed shut
24	0.3	8	Other
3697	41.2	9	Unknown/No record

Variable 608	DOOR/GATE/HATCH OPN - RF	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - OPENRF

Door, tailgate or hatch opening - right front

20Aug08	Prcnt	Code	Value and Description
3	0.0	0	No door/gate/hatch
4270	47.6	1	Door/gate/hatch remained closed and operational
43	0.5	2	Door/gate/hatch came open during collision
949	10.6	3	Door/gate/hatch jammed shut
16	0.2	8	Other
3684	41.1	9	Unknown/No record

Variable 609	DOOR/GATE/HATCH OPN - LR	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - OPENLR

Door, tailgate or hatch opening - left rear

20Aug08	Prcnt	Code	Value and Description
1458	16.3	0	No door/gate/hatch
3194	35.6	1	Door/gate/hatch remained closed and operational
21	0.2	2	Door/gate/hatch came open during collision
696	7.8	3	Door/gate/hatch jammed shut
11	0.1	8	Other
3585	40.0	9	Unknown/No record

<u>Variable 610</u>	<u>DOOR/GATE/HATCH OPN - RR</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - OPENRR

Door, tailgate or hatch opening - right rear

20Aug08	Prcnt	Code	Value and Description
1297	14.5	0	No door/gate/hatch
3426	38.2	1	Door/gate/hatch remained closed and operational
17	0.2	2	Door/gate/hatch came open during collision
630	7.0	3	Door/gate/hatch jammed shut
9	0.1	8	Other
3586	40.0	9	Unknown/No record

<u>Variable 611</u>	<u>DOOR/GATE/HATCH OPN - TG</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - OPENTG

Door, tailgate or hatch opening - tailgate

20Aug08	Prcnt	Code	Value and Description
3845	42.9	0	No door/gate/hatch
1486	16.6	1	Door/gate/hatch remained closed and operational
17	0.2	2	Door/gate/hatch came open during collision
169	1.9	3	Door/gate/hatch jammed shut
5	0.1	8	Other
3443	38.4	9	Unknown/No record

<u>Variable 612</u>	<u>DOOR/GATE/HATCH DAM - LF</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FAILLF

Damage/failure with D/G/H opening - left front

20Aug08	Prcnt	Code	Value and Description
5567	62.1	0	No door/gate/hatch or door not opened
			Door, tailgate, or hatch came open during collision
1	0.0	1	Door operational (no damage)
21	0.2	2	Latch/striker failure due to damage
7	0.1	3	Hinge failure due to damage
22	0.2	4	Door structure failure due to damage
7	0.1	5	Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage
3	0.0	6	Latch/striker and hinge failure due to damage
1	0.0	8	Other failure

Variable 612:DOOR/GATE/HATCH DAM - LF (Continued)

20Aug08 Prcnt Code Value and Description

3336 37.2 9 Unknown/No record

Variable 613 DOOR/GATE/HATCH DAM - RF Width: 1 Type: Numeric
Dec: None Miss: 9

NHTSA SAS Variable - FAILRF

Damage/failure with D/G/H opening - right front

20Aug08 Prcnt Code Value and Description

5594 62.4 0 No door/gate/hatch or door not opened

Door, tailgate, or hatch came open during collision

3 0.0 1 Door operational (no damage)

12 0.1 2 Latch/striker failure due to damage

6 0.1 3 Hinge failure due to damage

13 0.1 4 Door structure failure due to damage

5 0.1 5 Door support (i.e., pillar, sill, roof side rail, etc.)
failure due to damage

0 0.0 6 Latch/striker and hinge failure due to damage

0 0.0 8 Other failure

3332 37.2 9 Unknown/No record

Variable 614 DOOR/GATE/HATCH DAM - LR Width: 1 Type: Numeric
Dec: None Miss: 9

NHTSA SAS Variable - FAILLR

Damage/failure with D/G/H opening - left rear

20Aug08 Prcnt Code Value and Description

5616 62.6 0 No door/gate/hatch or door not opened

Door, tailgate, or hatch came open during collision

0 0.0 1 Door operational (no damage)

5 0.1 2 Latch/striker failure due to damage

4 0.0 3 Hinge failure due to damage

6 0.1 4 Door structure failure due to damage

1 0.0 5 Door support (i.e., pillar, sill, roof side rail, etc.)
failure due to damage

1 0.0 6 Latch/striker and hinge failure due to damage

0 0.0 8 Other failure

3332 37.2 9 Unknown/No record

<u>Variable 615</u>	<u>DOOR/GATE/HATCH DAM - RR</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FAILRR

Damage/failure with D/G/H opening - right rear

20Aug08	Prcnt	Code	Value and Description
5620	62.7	0	No door/gate/hatch or door not opened
			Door, tailgate, or hatch came open during collision
1	0.0	1	Door operational (no damage)
2	0.0	2	Latch/striker failure due to damage
1	0.0	3	Hinge failure due to damage
6	0.1	4	Door structure failure due to damage
3	0.0	5	Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage
1	0.0	6	Latch/striker and hinge failure due to damage
1	0.0	8	Other failure
3330	37.1	9	Unknown/No record

<u>Variable 616</u>	<u>DOOR/GATE/HATCH DAM - TG</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FAILTG

Damage/failure with D/G/H opening - tailgate or hatch

20Aug08	Prcnt	Code	Value and Description
5620	62.7	0	No door/gate/hatch or door not opened
			Door, tailgate, or hatch came open during collision
0	0.0	1	Door operational (no damage)
5	0.1	2	Latch/striker failure due to damage
2	0.0	3	Hinge failure due to damage
8	0.1	4	Door structure failure due to damage
1	0.0	5	Door support (i.e., pillar, sill, roof side rail, etc.) failure due to damage
1	0.0	6	Latch/striker and hinge failure due to damage
0	0.0	8	Other failure
3328	37.1	9	Unknown/No record

Variable 617	IMPACT GLAZING DAM - WS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLIMPWS

Glazing damage from impact forces - windshield

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	No glazing
2542	28.4	1	No glazing damage from impact forces
2393	26.7	2	Glazing in place and cracked from impact forces
275	3.1	3	Glazing in place and holed from impact forces
63	0.7	4	Glazing out-of-place (cracked or not) and not holed from impact forces
56	0.6	5	Glazing out-of-place and holed from impact forces
0	0.0	6	Glazing disintegrated from impact forces
0	0.0	7	Glazing removed prior to accident
3636	40.6	9	Unknown if damaged/No record

Variable 618	IMPACT GLAZING DAM - LF	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLIMPLF

Glazing damage from impact forces - left front window

20Aug08	Prcnt	Code	Value and Description
2	0.0	0	No glazing
4115	45.9	1	No glazing damage from impact forces
17	0.2	2	Glazing in place and cracked from impact forces
0	0.0	3	Glazing in place and holed from impact forces
1	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
0	0.0	5	Glazing out-of-place and holed from impact forces
1143	12.7	6	Glazing disintegrated from impact forces
4	0.0	7	Glazing removed prior to accident
3683	41.1	9	Unknown if damaged/No record

Variable 619	IMPACT GLAZING DAM - RF	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLIMPRF

Glazing damage from impact forces - right front window

20Aug08	Prcnt	Code	Value and Description
2	0.0	0	No glazing
4413	49.2	1	No glazing damage from impact forces
16	0.2	2	Glazing in place and cracked from impact forces

Variable 619:IMPACT GLAZING DAM - RF (Continued)

20Aug08	Prcnt	Code	Value and Description
	0.0	3	Glazing in place and holed from impact forces
1	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
	0.0	5	Glazing out-of-place and holed from impact forces
874	9.7	6	Glazing disintegrated from impact forces
5	0.1	7	Glazing removed prior to accident
3654	40.8	9	Unknown if damaged/No record

Variable 620	IMPACT GLAZING DAM - LR	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLIMPLR

Glazing damage from impact forces - left rear window

20Aug08	Prcnt	Code	Value and Description
358	4.0	0	No glazing
4378	48.8	1	No glazing damage from impact forces
9	0.1	2	Glazing in place and cracked from impact forces
0	0.0	3	Glazing in place and holed from impact forces
1	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
0	0.0	5	Glazing out-of-place and holed from impact forces
601	6.7	6	Glazing disintegrated from impact forces
4	0.0	7	Glazing removed prior to accident
3614	40.3	9	Unknown if damaged/No record

Variable 621	IMPACT GLAZING DAM - RR	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLIMPRR

Glazing damage from impact forces - right rear window

20Aug08	Prcnt	Code	Value and Description
340	3.8	0	No glazing
4425	49.4	1	No glazing damage from impact forces
19	0.2	2	Glazing in place and cracked from impact forces
1	0.0	3	Glazing in place and holed from impact forces
1	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
0	0.0	5	Glazing out-of-place and holed from impact forces
567	6.3	6	Glazing disintegrated from impact forces
3	0.0	7	Glazing removed prior to accident
3609	40.3	9	Unknown if damaged/No record

Variable 622	IMPACT GLAZING DAM - BL	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLIMPBL

Glazing damage from impact forces - backlight, TG/H/LG

20Aug08	Prcnt	Code	Value and Description
107	1.2	0	No glazing
4363	48.7	1	No glazing damage from impact forces
44	0.5	2	Glazing in place and cracked from impact forces
3	0.0	3	Glazing in place and holed from impact forces
4	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
0	0.0	5	Glazing out-of-place and holed from impact forces
808	9.0	6	Glazing disintegrated from impact forces
4	0.0	7	Glazing removed prior to accident
3632	40.5	9	Unknown if damaged/No record

Variable 623	IMPACT GLAZING DAM - RO	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLIMPRUF

Glazing damage from impact forces - roof

20Aug08	Prcnt	Code	Value and Description
4334	48.3	0	No glazing
1086	12.1	1	No glazing damage from impact forces
12	0.1	2	Glazing in place and cracked from impact forces
0	0.0	3	Glazing in place and holed from impact forces
8	0.1	4	Glazing out-of-place (cracked or not) and not holed from impact forces
0	0.0	5	Glazing out-of-place and holed from impact forces
116	1.3	6	Glazing disintegrated from impact forces
0	0.0	7	Glazing removed prior to accident
3409	38.0	9	Unknown if damaged/No record

Variable 624	IMPACT GLAZING DAM - OTH	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLIMPOTH

Glazing damage from impact forces - other

20Aug08	Prcnt	Code	Value and Description
4781	53.3	0	No glazing
678	7.6	1	No glazing damage from impact forces
3	0.0	2	Glazing in place and cracked from impact forces

Variable 624:IMPACT GLAZING DAM - OTH (Continued)

20Aug08	Prcnt	Code	Value and Description
	0 0.0	3	Glazing in place and holed from impact forces
	1 0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
	0 0.0	5	Glazing out-of-place and holed from impact forces
	140 1.6	6	Glazing disintegrated from impact forces
	0 0.0	7	Glazing removed prior to accident
	3362 37.5	9	Unknown if damaged/No record

Variable 625	CONTACT GLAZING DAM - WS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLOCCWS

Glazing damage from occupant contact - windshield

20Aug08	Prcnt	Code	Value and Description
	0 0.0	0	No glazing
	4675 52.1	1	No occupant contact to glazing
	30 0.3	2	Glazing contacted by occupant but no glazing damage
	384 4.3	3	Glazing in place and cracked by occupant contact
	22 0.2	4	Glazing in place and holed by occupant contact
	0 0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
	2 0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
	0 0.0	7	Glazing removed prior to accident
	0 0.0	8	Glazing disintegrated by occupant contact
	3852 43.0	9	Unknown if contacted by occupant

Variable 626	CONTACT GLAZING DAM - LF	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLOCCLF

Glazing damage from occ contact - left front window

20Aug08	Prcnt	Code	Value and Description
	2 0.0	0	No glazing
	5158 57.5	1	No occupant contact to glazing
	18 0.2	2	Glazing contacted by occupant but no glazing damage
	1 0.0	3	Glazing in place and cracked by occupant contact
	0 0.0	4	Glazing in place and holed by occupant contact
	0 0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
	0 0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact

Variable 626:CONTACT GLAZING DAM - LF (Continued)

20Aug08	Prcnt	Code	Value and Description
4	0.0	7	Glazing removed prior to accident
20	0.2	8	Glazing disintegrated by occupant contact
3762	42.0	9	Unknown if contacted by occupant

Variable 627	CONTACT GLAZING DAM - RF	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLOCCRF

Glazing damage from occupant contact - right front window

20Aug08	Prcnt	Code	Value and Description
2	0.0	0	No glazing
5244	58.5	1	No occupant contact to glazing
12	0.1	2	Glazing contacted by occupant but no glazing damage
0	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
5	0.1	7	Glazing removed prior to accident
6	0.1	8	Glazing disintegrated by occupant contact
3696	41.2	9	Unknown if contacted by occupant

Variable 628	CONTACT GLAZING DAM - LR	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLOCCLR

Glazing damage from occupant contact - left rear window

20Aug08	Prcnt	Code	Value and Description
358	4.0	0	No glazing
4962	55.3	1	No occupant contact to glazing
4	0.0	2	Glazing contacted by occupant but no glazing damage
0	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
4	0.0	7	Glazing removed prior to accident
1	0.0	8	Glazing disintegrated by occupant contact
3636	40.6	9	Unknown if contacted by occupant

Variable 629	CONTACT GLAZING DAM - RR	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLOCCRR

Glazing damage from occupant contact - right rear window

20Aug08	Prcnt	Code	Value and Description
340	3.8	0	No glazing
4988	55.6	1	No occupant contact to glazing
3	0.0	2	Glazing contacted by occupant but no glazing damage
0	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
3	0.0	7	Glazing removed prior to accident
2	0.0	8	Glazing disintegrated by occupant contact
3629	40.5	9	Unknown if contacted by occupant

Variable 630	CONTACT GLAZING DAM - BL	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLOCCBL

Glazing damage from occ contact - backlight, TG/H/LG

20Aug08	Prcnt	Code	Value and Description
107	1.2	0	No glazing
5210	58.1	1	No occupant contact to glazing
2	0.0	2	Glazing contacted by occupant but no glazing damage
0	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
1	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
4	0.0	7	Glazing removed prior to accident
1	0.0	8	Glazing disintegrated by occupant contact
3640	40.6	9	Unknown if contacted by occupant

Variable 631	CONTACT GLAZING DAM - RO	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLOCCRUF

Glazing damage from occupant damage - roof

20Aug08	Prcnt	Code	Value and Description
4334	48.3	0	No glazing
1221	13.6	1	No occupant contact to glazing
2	0.0	2	Glazing contacted by occupant but no glazing damage
0	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
0	0.0	7	Glazing removed prior to accident
0	0.0	8	Glazing disintegrated by occupant contact
3408	38.0	9	Unknown if contacted by occupant

Variable 632	CONTACT GLAZING DAM - OT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLOCCOTH

Glazing damage from occupant contact - other

20Aug08	Prcnt	Code	Value and Description
4781	53.3	0	No glazing
819	9.1	1	No occupant contact to glazing
1	0.0	2	Glazing contacted by occupant but no glazing damage
0	0.0	3	Glazing in place and cracked by occupant contact
0	0.0	4	Glazing in place and holed by occupant contact
0	0.0	5	Glazing out-of-place (cracked or not) by occupant contact and not holed by occupant contact
0	0.0	6	Glazing out-of-place by occupant contact and holed by occupant contact
0	0.0	7	Glazing removed prior to accident
0	0.0	8	Glazing disintegrated by occupant contact
3364	37.5	9	Unknown if contacted by occupant

Variable 633	TYPE OF GLAZING - WS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - GLTYPWS

Type of window/windshield glazing - windshield

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	No glazing contact
5549	61.9	1	AS-1 - Laminated
0	0.0	2	AS-2 - Tempered
0	0.0	3	AS-3 - Tempered-tinted (original)
0	0.0	4	AS-2 - Tempered-tinted after market tint
0	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	6	AS-14 - Glass/plastic
0	0.0	7	Glazing removed prior to accident
0	0.0	11	AS-2 - Laminated
0	0.0	12	AS-2 - Laminated and Tinted
0	0.0	13	AS-3 - Laminated and Tinted
0	0.0	14	AS-3 - Laminated after market Tint
0	0.0	15	AS-6 - FlexPlastic
3416	38.1	99	Unknown

Variable 634	TYPE OF GLAZING - LF	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - GLTYPLF

Type of window/windshield glazing - left front window

20Aug08	Prcnt	Code	Value and Description
2	0.0	0	No glazing contact
0	0.0	1	AS-1 - Laminated
4780	53.3	2	AS-2 - Tempered
24	0.3	3	AS-3 - Tempered-tinted (original)
478	5.3	4	AS-2 - Tempered-tinted after market tint
3	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	6	AS-14 - Glass/plastic
4	0.0	7	Glazing removed prior to accident
34	0.4	11	AS-2 - Laminated
84	0.9	12	AS-2 - Laminated and Tinted
3	0.0	13	AS-3 - Laminated and Tinted
1	0.0	14	AS-3 - Laminated after market Tint
2	0.0	15	AS-6 - FlexPlastic
1	0.0	98	Other
3549	39.6	99	Unknown

Variable 635	TYPE OF GLAZING - RF	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - GLTYPRF

Type of window/windshield glazing - right front window

20Aug08	Prcnt	Code	Value and Description
2	0.0	0	No glazing contact
0	0.0	1	AS-1 - Laminated
4767	53.2	2	AS-2 - Tempered
34	0.4	3	AS-3 - Tempered-tinted (original)
475	5.3	4	AS-2 - Tempered-tinted after market tint
3	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	6	AS-14 - Glass/plastic
5	0.1	7	Glazing removed prior to accident
42	0.5	11	AS-2 - Laminated
89	1.0	12	AS-2 - Laminated and Tinted
2	0.0	13	AS-3 - Laminated and Tinted
1	0.0	14	AS-3 - Laminated after market Tint
2	0.0	15	AS-6 - FlexPlastic
3	0.0	98	Other
3540	39.5	99	Unknown

Variable 636	TYPE OF GLAZING - LR	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - GLTYPLR

Type of window/windshield glazing - left rear window

20Aug08	Prcnt	Code	Value and Description
358	4.0	0	No glazing contact
0	0.0	1	AS-1 - Laminated
3126	34.9	2	AS-2 - Tempered
1294	14.4	3	AS-3 - Tempered-tinted (original)
512	5.7	4	AS-2 - Tempered-tinted after market tint
17	0.2	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	6	AS-14 - Glass/plastic
4	0.0	7	Glazing removed prior to accident
32	0.4	11	AS-2 - Laminated
92	1.0	12	AS-2 - Laminated and Tinted
10	0.1	13	AS-3 - Laminated and Tinted
2	0.0	14	AS-3 - Laminated after market Tint
13	0.1	15	AS-6 - FlexPlastic
3	0.0	98	Other
3502	39.1	99	Unknown

Variable 637	TYPE OF GLAZING - RR	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - GLTYPRR

Type of window/windshield glazing - right rear window

20Aug08	Prcnt	Code	Value and Description
340	3.8	0	No glazing contact
0	0.0	1	AS-1 - Laminated
3148	35.1	2	AS-2 - Tempered
1297	14.5	3	AS-3 - Tempered-tinted (original)
511	5.7	4	AS-2 - Tempered-tinted after market tint
16	0.2	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	6	AS-14 - Glass/plastic
3	0.0	7	Glazing removed prior to accident
30	0.3	11	AS-2 - Laminated
94	1.0	12	AS-2 - Laminated and Tinted
7	0.1	13	AS-3 - Laminated and Tinted
3	0.0	14	AS-3 - Laminated after market Tint
13	0.1	15	AS-6 - FlexPlastic
3	0.0	98	Other
3500	39.0	99	Unknown

Variable 638	TYPE OF GLAZING - BL	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - GLTYPBL

Type of window/windshield glazing - backlight, TG/H/LG

20Aug08	Prcnt	Code	Value and Description
107	1.2	0	No glazing contact
1	0.0	1	AS-1 - Laminated
3318	37.0	2	AS-2 - Tempered
1294	14.4	3	AS-3 - Tempered-tinted (original)
504	5.6	4	AS-2 - Tempered-tinted after market tint
13	0.1	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	6	AS-14 - Glass/plastic
4	0.0	7	Glazing removed prior to accident
56	0.6	11	AS-2 - Laminated
87	1.0	12	AS-2 - Laminated and Tinted
9	0.1	13	AS-3 - Laminated and Tinted
3	0.0	14	AS-3 - Laminated after market Tint
29	0.3	15	AS-6 - FlexPlastic
7	0.1	98	Other
3533	39.4	99	Unknown

Variable 639	TYPE OF GLAZING - ROOF	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - GLTYPRUF

Type of window/windshield glazing - roof

20Aug08	Prcnt	Code	Value and Description
4334	48.3	0	No glazing contact
0	0.0	1	AS-1 - Laminated
84	0.9	2	AS-2 - Tempered
1100	12.3	3	AS-3 - Tempered-tinted (original)
14	0.2	4	AS-2 - Tempered-tinted after market tint
3	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	6	AS-14 - Glass/plastic
0	0.0	7	Glazing removed prior to accident
2	0.0	11	AS-2 - Laminated
8	0.1	12	AS-2 - Laminated and Tinted
9	0.1	13	AS-3 - Laminated and Tinted
1	0.0	14	AS-3 - Laminated after market Tint
1	0.0	15	AS-6 - FlexPlastic
1	0.0	98	Other
3408	38.0	99	Unknown

Variable 640	TYPE OF GLAZING - OTHER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - GLTYPOTH

Type of window/windshield glazing - other

20Aug08	Prcnt	Code	Value and Description
4781	53.3	0	No glazing contact
0	0.0	1	AS-1 - Laminated
281	3.1	2	AS-2 - Tempered
472	5.3	3	AS-3 - Tempered-tinted (original)
49	0.5	4	AS-2 - Tempered-tinted after market tint
6	0.1	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	6	AS-14 - Glass/plastic
0	0.0	7	Glazing removed prior to accident
5	0.1	11	AS-2 - Laminated
11	0.1	12	AS-2 - Laminated and Tinted
4	0.0	13	AS-3 - Laminated and Tinted
1	0.0	14	AS-3 - Laminated after market Tint
0	0.0	15	AS-6 - FlexPlastic
1	0.0	98	Other
3354	37.4	99	Unknown

Variable 641	WIN PRECRASH STAT - WS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLPREWS

Window glazing pre-crash status - windshield

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	No glazing
5599	62.5	1	Fixed
0	0.0	2	Closed
0	0.0	3	Partially opened
0	0.0	4	Fully opened
0	0.0	7	Glazing removed prior to accident
3366	37.5	9	Unknown

Variable 642	WIN PRECRASH STAT - LF	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLPRELF

Window glazing pre-crash status - left front window

20Aug08	Prcnt	Code	Value and Description
2	0.0	0	No glazing
0	0.0	1	Fixed
4437	49.5	2	Closed
394	4.4	3	Partially opened
492	5.5	4	Fully opened
4	0.0	7	Glazing removed prior to accident
3636	40.6	9	Unknown

Variable 643	WIN PRECRASH STAT - RF	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLPRERF

Window glazing pre-crash status - right front window

20Aug08	Prcnt	Code	Value and Description
2	0.0	0	No glazing
1	0.0	1	Fixed
4806	53.6	2	Closed
281	3.1	3	Partially opened
264	2.9	4	Fully opened
5	0.1	7	Glazing removed prior to accident
3606	40.2	9	Unknown

Variable 644	WIN PRECRASH STAT - LR	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLPRELR

Window glazing pre-crash status - left rear window

20Aug08	Prcnt	Code	Value and Description
358	4.0	0	No glazing
872	9.7	1	Fixed
3968	44.3	2	Closed
171	1.9	3	Partially opened
54	0.6	4	Fully opened
4	0.0	7	Glazing removed prior to accident
3538	39.5	9	Unknown

Variable 645	WIN PRECRASH STAT - RR	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLPRERR

Window glazing pre-crash status - right rear window

20Aug08	Prcnt	Code	Value and Description
340	3.8	0	No glazing
917	10.2	1	Fixed
3967	44.2	2	Closed
155	1.7	3	Partially opened
50	0.6	4	Fully opened
3	0.0	7	Glazing removed prior to accident
3533	39.4	9	Unknown

Variable 646	WIN PRECRASH STAT - BL	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLPREBL

Window glazing pre-crash status - backlight, TG/H/liftgate window

20Aug08	Prcnt	Code	Value and Description
107	1.2	0	No glazing
4733	52.8	1	Fixed
688	7.7	2	Closed
13	0.1	3	Partially opened
5	0.1	4	Fully opened
4	0.0	7	Glazing removed prior to accident
3415	38.1	9	Unknown

Variable 647	WIN PRECRASH STAT - RO	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLPRERUF

Window glazing pre-crash status - roof

20Aug08	Prcnt	Code	Value and Description
4334	48.3	0	No glazing
60	0.7	1	Fixed
1069	11.9	2	Closed
55	0.6	3	Partially opened
46	0.5	4	Fully opened
0	0.0	7	Glazing removed prior to accident
3401	37.9	9	Unknown

Variable 648	WIN PRECRASH STAT - OT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLPREOTH

Window glazing pre-crash status - other

20Aug08	Prcnt	Code	Value and Description
4781	53.3	0	No glazing
734	8.2	1	Fixed
100	1.1	2	Closed
5	0.1	3	Partially opened
3	0.0	4	Fully opened
0	0.0	7	Glazing removed prior to accident
3342	37.3	9	Unknown

The INTERIOR DAMAGE "B" Variables

Variables 701 through 756 describe interior damage to vehicles involved in the accident. Additional interior damage information is documented in Variables 601 - 648.

<u>Variable 701</u>	<u>PSU NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSU

20Aug08	Prcnt	Code	Value and Description
248	2.8	2	- PSU Number
280	3.1	82	

<u>Variable 702</u>	<u>CASE NUMBER</u>	Width: 4	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - CASEID

<u>Variable 703</u>	<u>RECORD NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

20Aug08	Prcnt	Code	Value and Description
3328	37.1	0	Filler - No damage record for this vehicle.
5637	62.9	8	Interior Damage "B" record

<u>Variable 704</u>	<u>VERSION NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VERSION

20Aug08	Prcnt	Code	Value and Description
8965	100.0	20	Version 20

Variable 705	VEHICLE NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VEHNUM

20Aug08	Prcnt	Code	Value and Description
---------	-------	------	-----------------------

4963	55.4	1	Vehicle #1
3234	36.1	2	Vehicle #2
604	6.7	3	Vehicle #3
130	1.5	4	Vehicle #4
23	0.3	5	Vehicle #5
6	0.1	6	Vehicle #6
2	0.0	7	Vehicle #7
2	0.0	8	Vehicle #8
1	0.0	9	Vehicle #9

Variable 706	INTRUSION LOCATION (1)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INLOC1

20Aug08	Prcnt	Code	Value and Description
---------	-------	------	-----------------------

844	9.4	11	Front row - left
165	1.8	12	Front row - middle
633	7.1	13	Front row - right
226	2.5	21	Second row - left
68	0.8	22	Second row - middle
155	1.7	23	Second row - right
6	0.1	31	Third row - left
3	0.0	32	Third row - middle
13	0.1	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right
3326	37.1	96	No Intrusion
8	0.1	97	Catastrophic
57	0.6	98	Other enclosed area
3461	38.6	99	Unknown/No record

Variable 707	INTRUDING COMPONENT (1)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INCOMP1

20Aug08	Prcnt	Code	Value and Description
---------	-------	------	-----------------------

			Interior components
11	0.1	1	Steering assembly
59	0.7	2	Instrument panel left
25	0.3	3	Instrument panel center

Variable 707:INTRUDING COMPONENT (1) (Continued)

20Aug08	Prcnt	Code	Value and Description
48	0.5	4	Instrument panel right
279	3.1	5	Toe pan
142	1.6	6	A-pillar (A1/A2)
111	1.2	7	B-pillar
37	0.4	8	C-pillar
12	0.1	9	D-pillar
68	0.8	10	Side panel - forward of A-pillar (A1/A2)
409	4.6	11	Door panel (side)
33	0.4	12	Side panel - rear of B-pillar
174	1.9	13	Roof (or convertible top)
69	0.8	14	Roof side rail
113	1.3	15	Windshield
101	1.1	16	Windshield header
14	0.2	17	Window frame
141	1.6	18	Floor pan (includes sill)
29	0.3	19	Backlight header
75	0.8	20	Front seat back
89	1.0	21	Second seat back
2	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
14	0.2	25	Seat cushion
29	0.3	26	Back door/panel (e.g. tailgate)
50	0.6	27	Other interior component
Exterior components			
10	0.1	30	Hood
8	0.1	31	Outside surface of this vehicle
18	0.2	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
3326	37.1	96	No Intrusion
8	0.1	97	Catastrophic
0	0.0	98	Intrusion of unlisted component(s)
3461	38.6	99	Unknown/No record

Variable 708 INTRUSION MAGNITUDE (1) Width: 1 Type: Numeric
Dec: None Miss: 9

NHTSA SAS Variable - INMAG1

Magnitude of intrusion (1)

20Aug08	Prcnt	Code	Value and Description
340	3.8	1	> or = 3 centimeters but < 8 centimeters
475	5.3	2	> or = 8 centimeters but < 15 centimeters
658	7.3	3	> or = 15 centimeters but < 30 centimeters
428	4.8	4	> or = 30 centimeters but < 46 centimeters
177	2.0	5	> or = 46 centimeters but < 61 centimeters

Variable 708:INTRUSION MAGNITUDE (1) (Continued)

20Aug08 Prcnt Code Value and Description

92	1.0	6	> or = 61 centimeters
8	0.1	7	Catastrophic
3326	37.1	8	No Intrusion
3461	38.6	9	Unknown/No record

Variable 709	CRUSH DIRECTION (1)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CDRIR1

Dominant crush direction (1)

20Aug08 Prcnt Code Value and Description

482	5.4	1	Vertical
787	8.8	2	Longitudinal
901	10.1	3	Lateral
8	0.1	7	Catastrophic
3326	37.1	8	No Intrusion
3461	38.6	9	Unknown/No record

Variable 710	INTRUSION LOCATION (2)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INLOC2

20Aug08 Prcnt Code Value and Description

683	7.6	11	Front row - left
177	2.0	12	Front row - middle
512	5.7	13	Front row - right
202	2.3	21	Second row - left
55	0.6	22	Second row - middle
156	1.7	23	Second row - right
11	0.1	31	Third row - left
4	0.0	32	Third row - middle
7	0.1	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right
3778	42.1	96	No Intrusion
43	0.5	98	Other enclosed area
3337	37.2	99	Unknown/No record

Variable 711	INTRUDING COMPONENT (2)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INCOMP2

20Aug08	Prcnt	Code	Value and Description
			Interior components
14	0.2	1	Steering assembly
75	0.8	2	Instrument panel left
28	0.3	3	Instrument panel center
53	0.6	4	Instrument panel right
131	1.5	5	Toe pan
110	1.2	6	A-pillar (A1/A2)
136	1.5	7	B-pillar
41	0.5	8	C-pillar
7	0.1	9	D-pillar
59	0.7	10	Side panel - forward of A-pillar (A1/A2)
232	2.6	11	Door panel (side)
26	0.3	12	Side panel - rear of B-pillar
189	2.1	13	Roof (or convertible top)
79	0.9	14	Roof side rail
101	1.1	15	Windshield
107	1.2	16	Windshield header
28	0.3	17	Window frame
155	1.7	18	Floor pan (includes sill)
22	0.2	19	Backlight header
64	0.7	20	Front seat back
81	0.9	21	Second seat back
5	0.1	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
25	0.3	25	Seat cushion
17	0.2	26	Back door/panel (e.g. tailgate)
41	0.5	27	Other interior component
			Exterior components
11	0.1	30	Hood
3	0.0	31	Outside surface of this vehicle
8	0.1	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
3778	42.1	96	No Intrusion
2	0.0	98	Intrusion of unlisted component(s)
3337	37.2	99	Unknown/No record

Variable 712	INTRUSION MAGNITUDE (2)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INMAG2

Magnitude of intrusion (2)

20Aug08	Prcnt	Code	Value and Description
359	4.0	1	> or = 3 centimeters but < 8 centimeters
437	4.9	2	> or = 8 centimeters but < 15 centimeters
555	6.2	3	> or = 15 centimeters but < 30 centimeters
333	3.7	4	> or = 30 centimeters but < 46 centimeters
115	1.3	5	> or = 46 centimeters but < 61 centimeters
51	0.6	6	> or = 61 centimeters
3778	42.1	8	No Intrusion
3337	37.2	9	Unknown/No record

Variable 713	CRUSH DIRECTION (2)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CDRIR2

Dominant crush direction (2)

20Aug08	Prcnt	Code	Value and Description
497	5.5	1	Vertical
582	6.5	2	Longitudinal
771	8.6	3	Lateral
3778	42.1	8	No Intrusion
3337	37.2	9	Unknown/No record

Variable 714	INTRUSION LOCATION (3)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INLOC3

20Aug08	Prcnt	Code	Value and Description
590	6.6	11	Front row - left
170	1.9	12	Front row - middle
429	4.8	13	Front row - right
173	1.9	21	Second row - left
48	0.5	22	Second row - middle
177	2.0	23	Second row - right
7	0.1	31	Third row - left
2	0.0	32	Third row - middle
8	0.1	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right

Variable 714:INTRUSION LOCATION (3) (Continued)

20Aug08	Prcnt	Code	Value and Description
3982	44.4	96	No Intrusion
36	0.4	98	Other enclosed area
3343	37.3	99	Unknown/No record

Variable 715	INTRUDING COMPONENT (3)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INCOMP3

20Aug08	Prcnt	Code	Value and Description
			Interior components
15	0.2	1	Steering assembly
43	0.5	2	Instrument panel left
52	0.6	3	Instrument panel center
30	0.3	4	Instrument panel right
85	0.9	5	Toe pan
116	1.3	6	A-pillar (A1/A2)
130	1.5	7	B-pillar
33	0.4	8	C-pillar
8	0.1	9	D-pillar
34	0.4	10	Side panel - forward of A-pillar (A1/A2)
168	1.9	11	Door panel (side)
22	0.2	12	Side panel - rear of B-pillar
178	2.0	13	Roof (or convertible top)
115	1.3	14	Roof side rail
103	1.1	15	Windshield
110	1.2	16	Windshield header
18	0.2	17	Window frame
164	1.8	18	Floor pan (includes sill)
34	0.4	19	Backlight header
33	0.4	20	Front seat back
74	0.8	21	Second seat back
1	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
18	0.2	25	Seat cushion
15	0.2	26	Back door/panel (e.g. tailgate)
26	0.3	27	Other interior component
			Exterior components
3	0.0	30	Hood
6	0.1	31	Outside surface of this vehicle
6	0.1	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
3982	44.4	96	No Intrusion
0	0.0	98	Intrusion of unlisted component(s)
3343	37.3	99	Unknown/No record

Variable 716	INTRUSION MAGNITUDE (3)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INMAG3

Magnitude of intrusion (3)

20Aug08	Prcnt	Code	Value and Description
375	4.2	1	> or = 3 centimeters but < 8 centimeters
419	4.7	2	> or = 8 centimeters but < 15 centimeters
468	5.2	3	> or = 15 centimeters but < 30 centimeters
268	3.0	4	> or = 30 centimeters but < 46 centimeters
82	0.9	5	> or = 46 centimeters but < 61 centimeters
28	0.3	6	> or = 61 centimeters
3982	44.4	8	No Intrusion
3343	37.3	9	Unknown/No record

Variable 717	CRUSH DIRECTION (3)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CDRIR3

Dominant crush direction (3)

20Aug08	Prcnt	Code	Value and Description
483	5.4	1	Vertical
468	5.2	2	Longitudinal
689	7.7	3	Lateral
3982	44.4	8	No Intrusion
3343	37.3	9	Unknown/No record

Variable 718	INTRUSION LOCATION (4)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INLOC4

20Aug08	Prcnt	Code	Value and Description
507	5.7	11	Front row - left
183	2.0	12	Front row - middle
363	4.0	13	Front row - right
144	1.6	21	Second row - left
41	0.5	22	Second row - middle
143	1.6	23	Second row - right
6	0.1	31	Third row - left
1	0.0	32	Third row - middle
3	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right

Variable 718:INTRUSION LOCATION (4) (Continued)

20Aug08	Prcnt	Code	Value and Description
4207	46.9	96	No Intrusion
25	0.3	98	Other enclosed area
3342	37.3	99	Unknown/No record

Variable 719	INTRUDING COMPONENT (4)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INCOMP4

20Aug08	Prcnt	Code	Value and Description
			Interior components
10	0.1	1	Steering assembly
54	0.6	2	Instrument panel left
50	0.6	3	Instrument panel center
29	0.3	4	Instrument panel right
53	0.6	5	Toe pan
78	0.9	6	A-pillar (A1/A2)
100	1.1	7	B-pillar
27	0.3	8	C-pillar
6	0.1	9	D-pillar
42	0.5	10	Side panel - forward of A-pillar (A1/A2)
124	1.4	11	Door panel (side)
20	0.2	12	Side panel - rear of B-pillar
167	1.9	13	Roof (or convertible top)
124	1.4	14	Roof side rail
77	0.9	15	Windshield
124	1.4	16	Windshield header
14	0.2	17	Window frame
133	1.5	18	Floor pan (includes sill)
29	0.3	19	Backlight header
36	0.4	20	Front seat back
43	0.5	21	Second seat back
3	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
28	0.3	25	Seat cushion
5	0.1	26	Back door/panel (e.g. tailgate)
29	0.3	27	Other interior component
			Exterior components
4	0.0	30	Hood
3	0.0	31	Outside surface of this vehicle
3	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
4207	46.9	96	No Intrusion
1	0.0	98	Intrusion of unlisted component(s)
3342	37.3	99	Unknown/No record

Variable 720	INTRUSION MAGNITUDE (4)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INMAG4

Magnitude of intrusion (4)

20Aug08	Prcnt	Code	Value and Description
339	3.8	1	> or = 3 centimeters but < 8 centimeters
402	4.5	2	> or = 8 centimeters but < 15 centimeters
414	4.6	3	> or = 15 centimeters but < 30 centimeters
192	2.1	4	> or = 30 centimeters but < 46 centimeters
50	0.6	5	> or = 46 centimeters but < 61 centimeters
19	0.2	6	> or = 61 centimeters
4207	46.9	8	No Intrusion
3342	37.3	9	Unknown/No record

Variable 721	CRUSH DIRECTION (4)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CDRIR4

Dominant crush direction (4)

20Aug08	Prcnt	Code	Value and Description
467	5.2	1	Vertical
359	4.0	2	Longitudinal
590	6.6	3	Lateral
4207	46.9	8	No Intrusion
3342	37.3	9	Unknown/No record

Variable 722	INTRUSION LOCATION (5)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INLOC5

20Aug08	Prcnt	Code	Value and Description
410	4.6	11	Front row - left
175	2.0	12	Front row - middle
322	3.6	13	Front row - right
134	1.5	21	Second row - left
47	0.5	22	Second row - middle
108	1.2	23	Second row - right
4	0.0	31	Third row - left
2	0.0	32	Third row - middle
3	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right

Variable 722:INTRUSION LOCATION (5) (Continued)

20Aug08	Prcnt	Code	Value and Description
4404	49.1	96	No Intrusion
17	0.2	98	Other enclosed area
3339	37.2	99	Unknown/No record

Variable 723	INTRUDING COMPONENT (5)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INCOMP5

20Aug08	Prcnt	Code	Value and Description
			Interior components
20	0.2	1	Steering assembly
48	0.5	2	Instrument panel left
39	0.4	3	Instrument panel center
28	0.3	4	Instrument panel right
43	0.5	5	Toe pan
81	0.9	6	A-pillar (A1/A2)
70	0.8	7	B-pillar
27	0.3	8	C-pillar
3	0.0	9	D-pillar
21	0.2	10	Side panel - forward of A-pillar (A1/A2)
90	1.0	11	Door panel (side)
7	0.1	12	Side panel - rear of B-pillar
170	1.9	13	Roof (or convertible top)
107	1.2	14	Roof side rail
61	0.7	15	Windshield
105	1.2	16	Windshield header
24	0.3	17	Window frame
103	1.1	18	Floor pan (includes sill)
21	0.2	19	Backlight header
54	0.6	20	Front seat back
36	0.4	21	Second seat back
0	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
26	0.3	25	Seat cushion
5	0.1	26	Back door/panel (e.g. tailgate)
19	0.2	27	Other interior component
			Exterior components
6	0.1	30	Hood
4	0.0	31	Outside surface of this vehicle
4	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
4404	49.1	96	No Intrusion
0	0.0	98	Intrusion of unlisted component(s)
3339	37.2	99	Unknown/No record

Variable 724	INTRUSION MAGNITUDE (5)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INMAG5

Magnitude of intrusion (5)

20Aug08	Prcnt	Code	Value and Description
300	3.3	1	> or = 3 centimeters but < 8 centimeters
384	4.3	2	> or = 8 centimeters but < 15 centimeters
361	4.0	3	> or = 15 centimeters but < 30 centimeters
124	1.4	4	> or = 30 centimeters but < 46 centimeters
38	0.4	5	> or = 46 centimeters but < 61 centimeters
15	0.2	6	> or = 61 centimeters
4404	49.1	8	No Intrusion
3339	37.2	9	Unknown/No record

Variable 725	CRUSH DIRECTION (5)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CDRIR5

Dominant crush direction (5)

20Aug08	Prcnt	Code	Value and Description
440	4.9	1	Vertical
297	3.3	2	Longitudinal
485	5.4	3	Lateral
4404	49.1	8	No Intrusion
3339	37.2	9	Unknown/No record

Variable 726	INTRUSION LOCATION (6)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INLOC6

20Aug08	Prcnt	Code	Value and Description
372	4.1	11	Front row - left
159	1.8	12	Front row - middle
261	2.9	13	Front row - right
107	1.2	21	Second row - left
28	0.3	22	Second row - middle
106	1.2	23	Second row - right
4	0.0	31	Third row - left
1	0.0	32	Third row - middle
4	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right

Variable 726:INTRUSION LOCATION (6) (Continued)

20Aug08	Prcnt	Code	Value and Description
4573	51.0	96	No Intrusion
14	0.2	98	Other enclosed area
3336	37.2	99	Unknown/No record

Variable 727	INTRUDING COMPONENT (6)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INCOMP6

20Aug08	Prcnt	Code	Value and Description
			Interior components
14	0.2	1	Steering assembly
30	0.3	2	Instrument panel left
31	0.3	3	Instrument panel center
37	0.4	4	Instrument panel right
23	0.3	5	Toe pan
78	0.9	6	A-pillar (A1/A2)
51	0.6	7	B-pillar
21	0.2	8	C-pillar
2	0.0	9	D-pillar
20	0.2	10	Side panel - forward of A-pillar (A1/A2)
48	0.5	11	Door panel (side)
14	0.2	12	Side panel - rear of B-pillar
150	1.7	13	Roof (or convertible top)
126	1.4	14	Roof side rail
64	0.7	15	Windshield
91	1.0	16	Windshield header
18	0.2	17	Window frame
74	0.8	18	Floor pan (includes sill)
22	0.2	19	Backlight header
52	0.6	20	Front seat back
20	0.2	21	Second seat back
0	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
35	0.4	25	Seat cushion
4	0.0	26	Back door/panel (e.g. tailgate)
20	0.2	27	Other interior component
			Exterior components
5	0.1	30	Hood
2	0.0	31	Outside surface of this vehicle
3	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
4573	51.0	96	No Intrusion
1	0.0	98	Intrusion of unlisted component(s)
3336	37.2	99	Unknown/No record

Variable 728	INTRUSION MAGNITUDE (6)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INMAG6

Magnitude of intrusion (6)

20Aug08	Prcnt	Code	Value and Description
288	3.2	1	> or = 3 centimeters but < 8 centimeters
327	3.6	2	> or = 8 centimeters but < 15 centimeters
309	3.4	3	> or = 15 centimeters but < 30 centimeters
94	1.0	4	> or = 30 centimeters but < 46 centimeters
29	0.3	5	> or = 46 centimeters but < 61 centimeters
9	0.1	6	> or = 61 centimeters
4573	51.0	8	No Intrusion
3336	37.2	9	Unknown/No record

Variable 729	CRUSH DIRECTION (6)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CDRIR6

Dominant crush direction (6)

20Aug08	Prcnt	Code	Value and Description
382	4.3	1	Vertical
259	2.9	2	Longitudinal
415	4.6	3	Lateral
4573	51.0	8	No Intrusion
3336	37.2	9	Unknown/No record

Variable 730	INTRUSION LOCATION (7)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INLOC6

20Aug08	Prcnt	Code	Value and Description
300	3.3	11	Front row - left
124	1.4	12	Front row - middle
237	2.6	13	Front row - right
122	1.4	21	Second row - left
29	0.3	22	Second row - middle
79	0.9	23	Second row - right
2	0.0	31	Third row - left
2	0.0	32	Third row - middle
2	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right

Variable 730:INTRUSION LOCATION (7) (Continued)

20Aug08	Prcnt	Code	Value and Description
4716	52.6	96	No Intrusion
12	0.1	98	Other enclosed area
3340	37.3	99	Unknown/No record

Variable 731	INTRUDING COMPONENT (7)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INCOMP7

20Aug08	Prcnt	Code	Value and Description
			Interior components
8	0.1	1	Steering assembly
27	0.3	2	Instrument panel left
23	0.3	3	Instrument panel center
14	0.2	4	Instrument panel right
26	0.3	5	Toe pan
64	0.7	6	A-pillar (A1/A2)
58	0.6	7	B-pillar
23	0.3	8	C-pillar
2	0.0	9	D-pillar
24	0.3	10	Side panel - forward of A-pillar (A1/A2)
46	0.5	11	Door panel (side)
6	0.1	12	Side panel - rear of B-pillar
122	1.4	13	Roof (or convertible top)
114	1.3	14	Roof side rail
58	0.6	15	Windshield
93	1.0	16	Windshield header
19	0.2	17	Window frame
51	0.6	18	Floor pan (includes sill)
28	0.3	19	Backlight header
39	0.4	20	Front seat back
13	0.1	21	Second seat back
1	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
25	0.3	25	Seat cushion
0	0.0	26	Back door/panel (e.g. tailgate)
17	0.2	27	Other interior component
			Exterior components
3	0.0	30	Hood
2	0.0	31	Outside surface of this vehicle
2	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
4716	52.6	96	No Intrusion
1	0.0	98	Intrusion of unlisted component(s)
3340	37.3	99	Unknown/No record

Variable 732	INTRUSION MAGNITUDE (7)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INMAG7

Magnitude of intrusion (7)

20Aug08	Prcnt	Code	Value and Description
276	3.1	1	> or = 3 centimeters but < 8 centimeters
275	3.1	2	> or = 8 centimeters but < 15 centimeters
255	2.8	3	> or = 15 centimeters but < 30 centimeters
70	0.8	4	> or = 30 centimeters but < 46 centimeters
25	0.3	5	> or = 46 centimeters but < 61 centimeters
8	0.1	6	> or = 61 centimeters
4716	52.6	8	No Intrusion
3340	37.3	9	Unknown/No record

Variable 733	CRUSH DIRECTION (7)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CDRIR7

Dominant crush direction (7)

20Aug08	Prcnt	Code	Value and Description
357	4.0	1	Vertical
197	2.2	2	Longitudinal
355	4.0	3	Lateral
4716	52.6	8	No Intrusion
3340	37.3	9	Unknown/No record

Variable 734	INTRUSION LOCATION (8)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INLOC8

20Aug08	Prcnt	Code	Value and Description
237	2.6	11	Front row - left
114	1.3	12	Front row - middle
190	2.1	13	Front row - right
98	1.1	21	Second row - left
28	0.3	22	Second row - middle
92	1.0	23	Second row - right
2	0.0	31	Third row - left
0	0.0	32	Third row - middle
3	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right

Variable 734:INTRUSION LOCATION (8) (Continued)

20Aug08	Prcnt	Code	Value and Description
4847	54.1	96	No Intrusion
18	0.2	98	Other enclosed area
3336	37.2	99	Unknown/No record

Variable 735	INTRUDING COMPONENT (8)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INCOMP8

20Aug08	Prcnt	Code	Value and Description
Interior components			
8	0.1	1	Steering assembly
18	0.2	2	Instrument panel left
19	0.2	3	Instrument panel center
17	0.2	4	Instrument panel right
19	0.2	5	Toe pan
53	0.6	6	A-pillar (A1/A2)
45	0.5	7	B-pillar
16	0.2	8	C-pillar
8	0.1	9	D-pillar
16	0.2	10	Side panel - forward of A-pillar (A1/A2)
52	0.6	11	Door panel (side)
4	0.0	12	Side panel - rear of B-pillar
120	1.3	13	Roof (or convertible top)
104	1.2	14	Roof side rail
42	0.5	15	Windshield
70	0.8	16	Windshield header
19	0.2	17	Window frame
46	0.5	18	Floor pan (includes sill)
22	0.2	19	Backlight header
34	0.4	20	Front seat back
14	0.2	21	Second seat back
0	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
18	0.2	25	Seat cushion
2	0.0	26	Back door/panel (e.g. tailgate)
11	0.1	27	Other interior component
Exterior components			
0	0.0	30	Hood
3	0.0	31	Outside surface of this vehicle
2	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
4847	54.1	96	No Intrusion
0	0.0	98	Intrusion of unlisted component(s)
3336	37.2	99	Unknown/No record

Variable 736	INTRUSION MAGNITUDE (8)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INMAG8

Magnitude of intrusion (8)

20Aug08	Prcnt	Code	Value and Description
243	2.7	1	> or = 3 centimeters but < 8 centimeters
252	2.8	2	> or = 8 centimeters but < 15 centimeters
206	2.3	3	> or = 15 centimeters but < 30 centimeters
57	0.6	4	> or = 30 centimeters but < 46 centimeters
18	0.2	5	> or = 46 centimeters but < 61 centimeters
6	0.1	6	> or = 61 centimeters
4847	54.1	8	No Intrusion
3336	37.2	9	Unknown/No record

Variable 737	CRUSH DIRECTION (8)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CDRIR8

Dominant crush direction (8)

20Aug08	Prcnt	Code	Value and Description
326	3.6	1	Vertical
153	1.7	2	Longitudinal
303	3.4	3	Lateral
4847	54.1	8	No Intrusion
3336	37.2	9	Unknown/No record

Variable 738	INTRUSION LOCATION (9)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INLOC9

20Aug08	Prcnt	Code	Value and Description
201	2.2	11	Front row - left
87	1.0	12	Front row - middle
163	1.8	13	Front row - right
88	1.0	21	Second row - left
30	0.3	22	Second row - middle
79	0.9	23	Second row - right
4	0.0	31	Third row - left
0	0.0	32	Third row - middle
3	0.0	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right

Variable 738:INTRUSION LOCATION (9) (Continued)

20Aug08	Prcnt	Code	Value and Description
4958	55.3	96	No Intrusion
19	0.2	98	Other enclosed area
3333	37.2	99	Unknown/No record

Variable 739	INTRUDING COMPONENT (9)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INCOMP9

20Aug08	Prcnt	Code	Value and Description
			Interior components
5	0.1	1	Steering assembly
13	0.1	2	Instrument panel left
20	0.2	3	Instrument panel center
16	0.2	4	Instrument panel right
8	0.1	5	Toe pan
48	0.5	6	A-pillar (A1/A2)
36	0.4	7	B-pillar
24	0.3	8	C-pillar
4	0.0	9	D-pillar
8	0.1	10	Side panel - forward of A-pillar (A1/A2)
31	0.3	11	Door panel (side)
7	0.1	12	Side panel - rear of B-pillar
116	1.3	13	Roof (or convertible top)
84	0.9	14	Roof side rail
31	0.3	15	Windshield
65	0.7	16	Windshield header
8	0.1	17	Window frame
40	0.4	18	Floor pan (includes sill)
26	0.3	19	Backlight header
29	0.3	20	Front seat back
15	0.2	21	Second seat back
1	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
25	0.3	25	Seat cushion
1	0.0	26	Back door/panel (e.g. tailgate)
10	0.1	27	Other interior component
			Exterior components
1	0.0	30	Hood
1	0.0	31	Outside surface of this vehicle
1	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
4958	55.3	96	No Intrusion
0	0.0	98	Intrusion of unlisted component(s)
3333	37.2	99	Unknown/No record

Variable 740	INTRUSION MAGNITUDE (9)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INMAG9

Magnitude of intrusion (9)

20Aug08	Prcnt	Code	Value and Description
217	2.4	1	> or = 3 centimeters but < 8 centimeters
229	2.6	2	> or = 8 centimeters but < 15 centimeters
160	1.8	3	> or = 15 centimeters but < 30 centimeters
51	0.6	4	> or = 30 centimeters but < 46 centimeters
14	0.2	5	> or = 46 centimeters but < 61 centimeters
3	0.0	6	> or = 61 centimeters
4958	55.3	8	No Intrusion
3333	37.2	9	Unknown/No record

Variable 741	CRUSH DIRECTION (9)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CDRIR9

Dominant crush direction (9)

20Aug08	Prcnt	Code	Value and Description
295	3.3	1	Vertical
133	1.5	2	Longitudinal
246	2.7	3	Lateral
4958	55.3	8	No Intrusion
3333	37.2	9	Unknown/No record

Variable 742	INTRUSION LOCATION (10)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INLOC10

20Aug08	Prcnt	Code	Value and Description
179	2.0	11	Front row - left
83	0.9	12	Front row - middle
136	1.5	13	Front row - right
74	0.8	21	Second row - left
28	0.3	22	Second row - middle
60	0.7	23	Second row - right
3	0.0	31	Third row - left
1	0.0	32	Third row - middle
5	0.1	33	Third row - right
0	0.0	41	Fourth row - left
0	0.0	42	Fourth row - middle
0	0.0	43	Fourth row - right

Variable 742:INTRUSION LOCATION (10) (Continued)

20Aug08 Prcnt Code Value and Description

5055	56.4	96	No Intrusion
11	0.1	98	Other enclosed area
3330	37.1	99	Unknown/No record

Variable 743	INTRUDING COMPONENT (10)	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INCOMP10

20Aug08 Prcnt Code Value and Description

Interior components			
3	0.0	1	Steering assembly
15	0.2	2	Instrument panel left
16	0.2	3	Instrument panel center
14	0.2	4	Instrument panel right
13	0.1	5	Toe pan
40	0.4	6	A-pillar (A1/A2)
23	0.3	7	B-pillar
20	0.2	8	C-pillar
3	0.0	9	D-pillar
10	0.1	10	Side panel - forward of A-pillar (A1/A2)
20	0.2	11	Door panel (side)
7	0.1	12	Side panel - rear of B-pillar
94	1.0	13	Roof (or convertible top)
82	0.9	14	Roof side rail
27	0.3	15	Windshield
61	0.7	16	Windshield header
15	0.2	17	Window frame
31	0.3	18	Floor pan (includes sill)
14	0.2	19	Backlight header
21	0.2	20	Front seat back
12	0.1	21	Second seat back
1	0.0	22	Third seat back
0	0.0	23	Fourth seat back
0	0.0	24	Fifth seat back
22	0.2	25	Seat cushion
0	0.0	26	Back door/panel (e.g. tailgate)
12	0.1	27	Other interior component
Exterior components			
4	0.0	30	Hood
0	0.0	31	Outside surface of this vehicle
0	0.0	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
5055	56.4	96	No Intrusion
0	0.0	98	Intrusion of unlisted component(s)
3330	37.1	99	Unknown/No record

Variable 744	INTRUSION MAGNITUDE (10)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INMAG10

Magnitude of intrusion (10)

20Aug08	Prcnt	Code	Value and Description
199	2.2	1	> or = 3 centimeters but < 8 centimeters
204	2.3	2	> or = 8 centimeters but < 15 centimeters
128	1.4	3	> or = 15 centimeters but < 30 centimeters
39	0.4	4	> or = 30 centimeters but < 46 centimeters
8	0.1	5	> or = 46 centimeters but < 61 centimeters
2	0.0	6	> or = 61 centimeters
5055	56.4	8	No Intrusion
3330	37.1	9	Unknown/No record

Variable 745	CRUSH DIRECTION (10)	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CDRIR10

Dominant crush direction (10)

20Aug08	Prcnt	Code	Value and Description
251	2.8	1	Vertical
107	1.2	2	Longitudinal
222	2.5	3	Lateral
5055	56.4	8	No Intrusion
3330	37.1	9	Unknown/No record

Variable 746	STEERING COLUMN TYPE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - COLUMTYP

20Aug08	Prcnt	Code	Value and Description
494	5.5	1	Fixed column
4722	52.7	2	Tilt column
10	0.1	3	Telescoping column
122	1.4	4	Tilt and telescoping column
1	0.0	8	Other column type
3616	40.3	9	Unknown/No record

Variable 747	STEERING COLUMN TILT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - COLMTILT

Tilt steering column adjustment

20Aug08	Prcnt	Code	Value and Description
504	5.6	0	No tilt steering column
1202	13.4	1	Full up
842	9.4	2	Between full up and center
1965	21.9	3	Center
197	2.2	4	Between center and full down
244	2.7	5	Full down
4011	44.7	9	Unknown/No record

Variable 748	STEERING COLUMN TELESCOP	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - COLMTELE

Telescoping steering column adjustment

20Aug08	Prcnt	Code	Value and Description
5216	58.2	0	No telescoping steering column
42	0.5	1	Full back
6	0.1	2	Between full back and midpoint
26	0.3	3	Midpoint
7	0.1	4	Between midpoint and full forward
26	0.3	5	Full forward
3642	40.6	9	Unknown/No record

Variable 749	RIM/SPOKE DEFORMATION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - RIMDEF

Steering rim/spoke deformation

20Aug08	Prcnt	Code	Value and Description
4672	52.1	0	No steering rim deformation
13	0.1	1	- Actual measured deformation to nearest centimeters
41	0.5	15	15 centimeters or more
113	1.3	98	Observed deformation cannot be measured
3725	41.6	99	Unknown/No record

Variable 750	RIM/SPOKE DEF LOCATION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - RDEFLOC

Location of steering rim/spoke deformation

20Aug08	Prcnt	Code	Value and Description
4672	52.1	0	No steering rim deformation
			Quarter sections
25	0.3	1	Section A
16	0.2	2	Section B
13	0.1	3	Section C
27	0.3	4	Section D
			Half sections
243	2.7	5	Upper half of rim/spoke
88	1.0	6	Lower half of rim/spoke
32	0.4	7	Left half of rim/spoke
23	0.3	8	Right half of rim/spoke
88	1.0	9	Complete steering wheel collapse
13	0.1	10	Undetermined location
3725	41.6	99	Unknown/No record

Variable 751	ODOMETER READING	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - ODOMETER

20Aug08	Prcnt	Code	Value and Description
0	0.0	0	No odometer
21	0.2	1	(less than 1,500 kilometers)
14	0.2	2	
		-	Code mileage to nearest 1,000 kilometers
1	0.0	496	
11	0.1	500	499,500 kilometers or more
5693	63.5	999	Unknown/No record

Variable 752	INSTRUMENT PANEL DAMAGE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - PANELDAM

Instrument panel damage from occupant contact?

20Aug08	Prcnt	Code	Value and Description
4377	48.8	0	No

Variable 752:INSTRUMENT PANEL DAMAGE (Continued)

20Aug08 Prcnt Code Value and Description

720	8.0	1	Yes
3868	43.1	9	Unknown/No record

Variable 753	KNEE BOLSTER TYPE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BOLSTYPE

Type of knee bolster covering

20Aug08 Prcnt Code Value and Description

8965	100.0	9	Not provided in 2007 dataset
------	-------	---	------------------------------

Variable 754	KNEE BOLSTERS DEFORMED	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BOLSTDEF

Knee bolsters deformed from occupant contact?

20Aug08 Prcnt Code Value and Description

8965	100.0	9	Not provided in 2007 dataset
------	-------	---	------------------------------

Variable 755	GLOVE COMPART DOOR OPEN	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - GLOVOOPEN

Did glove compartment door open during collision(s)?

20Aug08 Prcnt Code Value and Description

8965	100.0	9	Not provided in 2007 dataset
------	-------	---	------------------------------

Variable 756	ADAPTIVE TECHNOLOGY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ADAPTEQ

Adaptive (Assistive) Driving Equipment

20Aug08 Prcnt Code Value and Description

5518	61.6	0	No adaptive driving equipment
8	0.1	1	Adaptive driving equipment installed

Investigator's form, any positive response coded '1'
Check all that apply

			<input type="checkbox"/> Hand controls for braking/accelerating
			<input type="checkbox"/> Steering control devices (attached to OEM steering wheel)
			<input type="checkbox"/> Steering knob attached to steering wheel
			<input type="checkbox"/> Low effort power steering (unit or device)
			<input type="checkbox"/> Replacement steering wheel (ie reduced diameter)
			<input type="checkbox"/> Joy-stick steering controls
			<input type="checkbox"/> Wheelchair tie-downs
			<input type="checkbox"/> Modifications to seat belts (specify)
			<input type="checkbox"/> Additional or relocated switches (specify)
			<input type="checkbox"/> Raised roof
			<input type="checkbox"/> Wall mounted head rest (used behind wheelchair)
			<input type="checkbox"/> Other adaptive device (specify)
3439	38.4	9	Unknown

The OCCUPANT ASSESSMENT Variables

Variables 801 through 878 describe the motor vehicle occupants of sampled vehicles involved in the accident. Vehicles with BODY TYPE greater than 49 have no occupant records.

<u>Variable 801</u>	<u>PSU NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSU

20Aug08 Prcnt	Code Value and Description	
313 2.9	2	- PSU Number
277 2.6	82	

<u>Variable 802</u>	<u>CASE NUMBER</u>	Width: 4	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - CASEID

<u>Variable 803</u>	<u>RECORD NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

20Aug08 Prcnt	Code Value and Description	
10809 100.0	9	Occupant assessment record

<u>Variable 804</u>	<u>VERSION NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VERSION

20Aug08 Prcnt	Code Value and Description	
10809 100.0	20	Version 20

Variable 805	VEHICLE NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VEHNUM

20Aug08	Prcnt	Code	Value and Description
6690	61.9	1	Vehicle #1
3762	34.8	2	Vehicle #2
298	2.8	3	Vehicle #3
49	0.5	4	Vehicle #4
7	0.1	5	Vehicle #5
2	0.0	6	Vehicle #6
1	0.0	8	Vehicle #8

Variable 806	OCCUPANT NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - OCCNO

20Aug08	Prcnt	Code	Value and Description
7050	65.2	1	- Occupant number
1	0.0	10	

Variable 807	AGE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - AGE

20Aug08	Prcnt	Code	Value and Description
78	0.7	0	Up to one year
70	0.6	1	- Age in years
1	0.0	95	
3	0.0	97	97 years or older
230	2.1	99	Unknown

Variable 808	SEX	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - SEX

20Aug08	Prcnt	Code	Value and Description
5896	54.5	1	Male
4687	43.4	2	Female - not reported pregnant
36	0.3	3	Female - pregnant - 1st trimester (1st-3rd month)

Variable 808:SEX (Continued)

20Aug08	Prcnt	Code	Value and Description
34	0.3	4	Female - pregnant - 2nd trimester (4th-6th month)
24	0.2	5	Female - pregnant - 3rd trimester (7th-9th month)
4	0.0	6	Female - pregnant - term unknown
128	1.2	9	Unknown

Variable 809	HEIGHT	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - HEIGHT

Occupant height to the nearest centimeter

Conversion: 1 inch = 2.54 centimeters

20Aug08	Prcnt	Code	Value and Description
2	0.0	38	- Height in centimeters
1	0.0	211	
0	0.0	220	219.5 centimeters or more
2143	19.8	999	Unknown

Variable 810	WEIGHT	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - WEIGHT

Occupant weight to the nearest kilogram

Conversion: 1 pound = .4536 kilograms

20Aug08	Prcnt	Code	Value and Description
1	0.0	3	- Weight in kilograms
1	0.0	148	
54	0.5	150	149.5 kilograms or more
1996	18.5	999	Unknown

Variable 811	OCCUPANT'S ROLE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROLE

Variable 811:OCCUPANT'S ROLE (Continued)

20Aug08	Prcnt	Code	Value and Description
7050	65.2	1	Driver
3759	34.8	2	Passenger

Variable 812	OCCUPANT's SEAT POSITION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - SEATPOS

20Aug08	Prcnt	Code	Value and Description
7048	65.2	11	Front seat - left side (driver's side)
28	0.3	12	Front seat - middle
2087	19.3	13	Front seat - right side
3	0.0	14	Front seat - other
6	0.1	15	Front seat - on/in lap of another occupant
575	5.3	21	Second seat - left side
212	2.0	22	Second seat - middle
648	6.0	23	Second seat - right side
31	0.3	24	Second seat - other
5	0.0	25	Second seat - on/in lap of another occupant
44	0.4	31	Third seat - left side
18	0.2	32	Third seat - middle
42	0.4	33	Third seat - right side
2	0.0	34	Third seat - other
1	0.0	35	Third seat - on/in lap of another occupant
1	0.0	41	Fourth seat - left side
0	0.0	42	Fourth seat - middle
0	0.0	43	Fourth seat - right side
0	0.0	44	Fourth seat - other
0	0.0	45	Fourth seat - on/in lap of another occupant
16	0.1	97	In or on unenclosed area
11	0.1	98	Other seat
31	0.3	99	Unknown seating position

Variable 813	OCCUPANT's POSTURE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - POSTURE

20Aug08	Prcnt	Code	Value and Description
5720	52.9	0	Normal posture
			Abnormal posture
2	0.0	1	Kneeling or standing on seat
9	0.1	2	Lying on or across seat
1	0.0	3	Kneeling, standing or sitting in front of seat

Variable 813:OCCUPANT's POSTURE (Continued)

20Aug08	Prcnt	Code	Value and Description
14	0.1	4	Sitting sideways or turned to talk with another occupant or to look out the rear window
1	0.0	5	Sitting on a console
20	0.2	6	Lying back in a reclined seat position
34	0.3	7	Bracing with feet or hands on a surface in front seat
529	4.9	8	Other abnormal posture
4479	41.4	99	Unknown

Variable 814	EJECTION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - EJECTION

20Aug08	Prcnt	Code	Value and Description
10318	95.5	0	No ejection
297	2.7	1	Complete ejection
147	1.4	2	Partial ejection
3	0.0	3	Ejection, unknown degree
44	0.4	9	Unknown

Variable 815	EJECTION AREA	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - EJCTAREA

20Aug08	Prcnt	Code	Value and Description
10318	95.5	0	No ejection
26	0.2	1	Windshield
167	1.5	2	Left front
69	0.6	3	Right front
20	0.2	4	Left rear
22	0.2	5	Right rear
14	0.1	6	Rear
25	0.2	7	Roof
14	0.1	8	Other area (e.g., back of pickup, etc.)
134	1.2	9	Unknown

<u>Variable 816</u>	<u>EJECTION MEDIUM</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - EJCTMED

20Aug08	Prcnt	Code	Value and Description
---------	-------	------	-----------------------

10318	95.5	0	No ejection
47	0.4	1	Door/hatch/tailgate
9	0.1	2	Nonfixed roof structure
47	0.4	3	Fixed glazing
230	2.1	4	Nonfixed glazing
5	0.0	5	Integral structure
17	0.2	8	Other medium
136	1.3	9	Unknown

<u>Variable 817</u>	<u>MEDIUM STATUS</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MEDSTA

Medium status (immediately prior to impact)

20Aug08	Prcnt	Code	Value and Description
---------	-------	------	-----------------------

10318	95.5	0	No ejection
70	0.6	1	Open
257	2.4	2	Closed
8	0.1	3	Integral structure
156	1.4	9	Unknown

<u>Variable 818</u>	<u>ENTRAPMENT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ENTRAP

20Aug08	Prcnt	Code	Value and Description
---------	-------	------	-----------------------

9374	86.7	0	Not entrapped/exit not inhibited
252	2.3	1	Entrapped/pinned - mechanically restrained
274	2.5	2	Could not exit vehicle due to jammed doors, fire, etc. (specify)
40	0.4	3	External circumstance
869	8.0	9	Unknown

Variable 819	<u>OCCUPANT MOBILITY</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - OCCMOBIL

20Aug08	Prcnt	Code	Value and Description
184	1.7	0	Occupant fatal before removed from vehicle
366	3.4	1	Removed from vehicle while unconscious or not oriented to time or place
965	8.9	2	Removed from vehicle due to perceived serious injuries
1346	12.5	3	Exited from vehicle with some assistance
4786	44.3	4	Exited from vehicle under own power
297	2.7	5	Occupant fully ejected
55	0.5	8	Removed from vehicle for other reasons
2810	26.0	9	Unknown

Variable 820	<u>MANUAL BELT AVAILABILITY</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MANAVAIL

Manual belt system availability

20Aug08	Prcnt	Code	Value and Description
241	2.2	0	Not available
7	0.1	1	Belt removed/destroyed
0	0.0	2	Shoulder belt
393	3.6	3	Lap belt
9244	85.5	4	Lap and shoulder belt
60	0.6	5	Belt available - type unknown
			Integral Belt Partially destroyed
0	0.0	6	Shoulder belt (lap belt destroyed/removed)
0	0.0	7	Lap belt (shoulder belt destroyed/removed)
6	0.1	8	Other belt
858	7.9	9	Unknown

Variable 821	<u>MANUAL BELT USE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - MANUSE

Manual belt system use

20Aug08	Prcnt	Code	Value and Description
2264	20.9	0	None used, not available, or belt removed/destroyed
0	0.0	1	Inoperative
1	0.0	2	Shoulder belt

Variable 821:MANUAL BELT USE (Continued)

20Aug08 Prcnt Code Value and Description

167	1.5	3	Lap belt
6566	60.7	4	Lap and shoulder belt
57	0.5	5	Belt used - type unknown
5	0.0	8	Other belt used
0	0.0	12	Shoulder belt used with child safety seat
38	0.4	13	Lap belt used with child safety seat
257	2.4	14	Lap and shoulder belt used with child safety seat
1	0.0	15	Belt used with child safety seat - type unknown
0	0.0	18	Other belt used with child safety seat
1453	13.4	99	Unknown if belt used

Variable 822	MANUAL BELT PROPER USE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MANPROPR

Proper use of manual belts

20Aug08 Prcnt Code Value and Description

10809	100.0	9	Not provided in 2003-2007 dataset
-------	-------	---	-----------------------------------

Variable 823	MANUAL BELT FAILURE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MANFAIL

Manual (active) belt failure mode during accident

20Aug08 Prcnt Code Value and Description

2253	20.8	0	No manual belt used or not available
5901	54.6	1	No manual belt failure(s)
4	0.0	2	Torn webbing (stretched webbing not included)
0	0.0	3	Broken buckle or latchplate
0	0.0	4	Upper anchorage separated
0	0.0	5	Other anchorage separated
2	0.0	6	Broken retractor
1	0.0	7	Combination of above
1	0.0	8	Other manual belt failure
2647	24.5	9	Unknown

Variable 824	<u>SHOULDER BELT ANCHOR ADJ</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BELTANCH

Manual shoulder belt upper anchorage adjustment

20Aug08	Prcnt	Code	Value and Description
647	6.0	0	No manual shoulder belt
3206	29.7	1	No upper anchorage adjustment for manual shoulder belt
			Adjustable shoulder belt upper anchorage
2010	18.6	2	In full upright position
769	7.1	3	In mid position
1747	16.2	4	In full down position
375	3.5	5	Position unknown
2055	19.0	9	Unknown if position has adjustable shoulder belt anchorage

Variable 825	<u>AUTO RESTRAINT AVAILABLE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ABELTAVL

Automatic (passive) belt system availability / function

20Aug08	Prcnt	Code	Value and Description
10318	95.5	0	Not equipped/not available
208	1.9	1	2 point automatic belts
171	1.6	2	3 point automatic belts
35	0.3	3	Automatic belts - type unknown
			Nonfunctional
2	0.0	4	Automatic belts destroyed or rendered inoperative
75	0.7	9	Unknown

Variable 826	<u>AUTO (PASSIV) SYSTEM USE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ABELTUSE

Automatic (passive) belt system use

20Aug08	Prcnt	Code	Value and Description
10320	95.5	0	Not equipped/not available/destroyed or rendered inoperative
283	2.6	1	Automatic belt in use
91	0.8	2	Automatic belt not in use (manually disconnected, motorized track inoperative)

Variable 826:AUTO (PASSIV) SYSTEM USE (Continued)

20Aug08	Prcnt	Code	Value and Description
37	0.3	3	Automatic belt use unknown
78	0.7	9	Unknown

Variable 827	AUTO BELT SYSTEM TYPE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ABELTYPE

Automatic (passive) belt system type

20Aug08	Prcnt	Code	Value and Description
10318	95.5	0	Not equipped/not available
185	1.7	1	Nonmotorized system
196	1.8	2	Motorized system
110	1.0	9	Unknown

Variable 828	PROPER USE OF AUTO BELT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ABLTPROP

Proper use of automatic (passive) belt system

20Aug08	Prcnt	Code	Value and Description
10809	100.0	9	Not provided in 2003-2007 dataset

Variable 829	AUTO BELT FAILURE MODES	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ABLTFAIL

Automatic (passive) belt failure modes during accident

20Aug08	Prcnt	Code	Value and Description
10409	96.3	0	Not equipped/not available/not in use
239	2.2	1	No automatic belt failure(s)
0	0.0	2	Torn webbing (stretched webbing not included)
0	0.0	3	Broken buckle or latchplate
1	0.0	4	Upper anchorage separated
1	0.0	5	Other anchorage separated
1	0.0	6	Broken retractor
0	0.0	7	Combination of above
1	0.0	8	Other automatic belt failure

Variable 829:AUTO BELT FAILURE MODES (Continued)

20Aug08 Prcnt Code Value and Description

157 1.5 9 Unknown

Variable 830 PAR RESTRAINT USE Width: 1 Type: Numeric
Dec: None Miss: 9

NHTSA SAS Variable - PARUSE

Police reported restraint use

20Aug08 Prcnt Code Value and Description

1279 11.8 0 None used
497 4.6 1 Police did not indicate restraint use
66 0.6 2 Shoulder belt
174 1.6 3 Lap belt
6551 60.6 4 Lap and shoulder belt
1183 10.9 5 Belt used, type not specified
282 2.6 6 Child safety seat
2 0.0 7 Other or automatic restraint
6 0.1 8 Restrained, type unknown
769 7.1 9 Police indicated "unknown"

Variable 831 AIR BAG AVAIL/FUN POLICE Width: 1 Type: Numeric
Dec: None Miss: 9

NHTSA SAS Variable - BAGAVRPT

Police reported air bag availability/function

20Aug08 Prcnt Code Value and Description

1478 13.7 0 No air bag available
2669 24.7 1 Police did not indicate air bag availability/function
3477 32.2 2 Deployed
2726 25.2 3 Not deployed
40 0.4 4 Unknown if deployed
419 3.9 9 Police indicated "unknown"

Variable 832 AIR BAG AVAIL/FUNCTION Width: 1 Type: Numeric
Dec: None Miss: 9

NHTSA SAS Variable - BAGAVAIL

Air bag system available/function

Variable 832: AIR BAG AVAIL/FUNCTION (Continued)

20Aug08	Prcnt	Code	Value and Description
2783	25.7	0	Not equipped/not available
6979	64.6	1	Air bag
			Nonfunctional
22	0.2	2	Air bag disconnected
23	0.2	3	Air bag not reinstalled
1002	9.3	9	Unknown

Variable 833	AIR BAG DEPLOYMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGDEPLY

Air bag system deployment

20Aug08	Prcnt	Code	Value and Description
2828	26.2	0	Not equipped/not available
3166	29.3	1	Air bag deployed during accident (as a result of impact)
0	0.0	2	Air bag deployed inadvertently just prior to accident
231	2.1	3	Air bag deployed, detail unknown
0	0.0	4	Air bag deployed as a result of a noncollision event during acc sequence (e.g. fire, explosion, electrical)
220	2.0	5	Unknown if deployed
3362	31.1	7	Nondeployed
1002	9.3	9	Unknown

Variable 834	AB AVAIL/OTHER	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGAVOTH

Other than first seat frontal air bag availability/function

20Aug08	Prcnt	Code	Value and Description
8266	76.5	0	Not equipped/not available
1541	14.3	1	Air bag
			Nonfunctional
0	0.0	2	Air bag disconnected (specify)
0	0.0	3	Air bag not reinstalled
1002	9.3	9	Unknown

<u>Variable 835</u>	<u>AIR BAG DEPLOY/OTHER</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGDEPOT

Air bag(s) deployment, other than first seat frontal

20Aug08	Prcnt	Code	Value and Description
8266	76.5	0	Not equipped with an "other" air bag
265	2.5	1	Air bag deployed during accident (as a result of impact)
0	0.0	2	Air bag deployed inadvertently just prior to accident
11	0.1	3	Air bag deployed, detail unknown
0	0.0	4	Air bag deployed as a result of a noncollision event during acc sequence (e.g. fire, explosion, electrical)
19	0.2	5	Unknown if deployed
1246	11.5	7	Nondeployed
1002	9.3	9	Unknown

<u>Variable 836</u>	<u>AIR BAG SYSTEM FAILURE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGFAIL

Are there indications of Air Bag system failure?

20Aug08	Prcnt	Code	Value and Description
2697	25.0	0	Not equipped/not available
6101	56.4	1	No
16	0.1	2	Yes
1995	18.5	9	Unknown

<u>Variable 837</u>	<u>AB DEPLOY/PREVIOUS ACC</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - PREVACC

Had vehicle been in previous accidents?

20Aug08	Prcnt	Code	Value and Description
2828	26.2	0	Not equipped/not available
3792	35.1	1	No previous accidents
			Yes
346	3.2	2	Previous accident(s) without deployment(s)
20	0.2	3	One previous accident with deployment
1	0.0	4	More than one previous accident with at least one deployment
47	0.4	8	Previous accidents, unknown deployment

Variable 837:AB DEPLOY/PREVIOUS ACC (Continued)

20Aug08 Prcnt Code Value and Description

3775 34.9 9 Unknown

Variable 838	AIR BAG TYPE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGTYPE

20Aug08 Prcnt Code Value and Description

2828	26.2	0	Not equipped/not available
4028	37.3	1	Original manufacturer installed system
0	0.0	2	Retrofitted air bag
22	0.2	3	Replacement air bag
2929	27.1	8	Unknown type of air bag
1002	9.3	9	Unknown

Variable 839	AIR BAG MAINTENANCE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGMAINT

Had any prior maintenance/service been performed on this air bag system?

20Aug08 Prcnt Code Value and Description

2828	26.2	0	Not equipped/not available
4011	37.1	1	No prior maintenance
22	0.2	2	Yes prior maintenance (specify)
3948	36.5	9	Unknown

Variable 840	AIR BAG EVENT NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - BAGEVENT

Air bag deployment accident event sequence number

20Aug08 Prcnt Code Value and Description

2828	26.2	0	Not equipped/not available
2427	22.5	1	Event number 1
249	2.3	2	Event number 2
79	0.7	3	Event number 3
26	0.2	4	Event number 4
8	0.1	5	Event number 5

Variable 840: AIR BAG EVENT NUMBER (Continued)

20Aug08	Prcnt	Code	Value and Description
5	0.0	6	Event number 6
2	0.0	7	Event number 7
2	0.0	8	Event number 8
599	5.5	96	Deployed, unknown event
3362	31.1	97	Not deployed
220	2.0	98	Unknown if deployed
1002	9.3	99	Unknown

Variable 841	CDC OF AIR BAG DEPLOY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGCDC

CDC for air bag deployment impact

20Aug08	Prcnt	Code	Value and Description
2828	26.2	0	Not equipped/not available
2667	24.7	1	Highest delta V
122	1.1	2	Second highest delta V
9	0.1	3	Other noncoded delta-V (specify)
599	5.5	6	Deployed, unknown event
3362	31.1	7	Not deployed
220	2.0	8	Unknown if deployed
1002	9.3	9	Unknown

Variable 842	AB ASSOC LONG DELTA V	Width: 4	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DV BAG

Longitudinal component of Delta V for air bag deployment impact
Note: value range -160kmph to +160kmph

20Aug08	Prcnt	Code	Value and Description
0	0.0	-160	< or = -159.5 kmph
1	0.0	-104	- Code the value of the delta V for the impact that initiated the air bag deployment
2	0.0	-1	
2828	26.2	0	Not equipped/not available
2	0.0	6	6 kmph
1	0.0	18	18 kmph
0	0.0	160	> or = 159.5 kmph
1469	13.6	996	Deployment, unknown longitudinal delta V
3362	31.1	997	Not deployed
220	2.0	998	Unknown if deployed

Variable 842:AB ASSOC LONG DELTA V (Continued)

20Aug08 Prcnt Code Value and Description

1002 9.3 999 Unknown

Variable 843	AB FLAPS OPEN CORRECTLY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGFLOPN

Did air bag module cover flap(s) open at designated tear points?

20Aug08 Prcnt Code Value and Description

2828	26.2	0	Not equipped/not available
0	0.0	1	No
2916	27.0	2	Yes
481	4.4	3	Deployed, unknown if flap(s) opened at designated tear points
3362	31.1	7	Not deployed
220	2.0	8	Unknown if deployed
1002	9.3	9	Unknown

Variable 844	AB FLAPS DAMAGED	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGFLDAM

Were air bag module cover flap(s) damaged?

20Aug08 Prcnt Code Value and Description

2828	26.2	0	Not equipped/not available
2902	26.8	1	No
13	0.1	2	Yes (specify)
482	4.5	3	Deployed, unknown if air bag module cover flap(s) damaged
3362	31.1	7	Not deployed
220	2.0	8	Unknown if deployed
1002	9.3	9	Unknown

Variable 845	AB DAMAGED	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - BAGDAMAG

Was there damage to the air bag?

Variable 845:AB DAMAGED (Continued)

20Aug08	Prcnt	Code	Value and Description
2828	26.2	0	Not equipped/not available
2815	26.0	1	Not damaged
			Yes - air bag damaged
1	0.0	2	Ruptured
21	0.2	3	Cut
10	0.1	4	Torn
3	0.0	5	Holed
9	0.1	6	Burned
2	0.0	7	Abraded
0	0.0	88	Other damage (specify)
0	0.0	95	Damaged, details unknown
536	5.0	96	Deployed, unknown if damaged
3362	31.1	97	Not deployed
220	2.0	98	Unknown if deployed
1002	9.3	99	Unknown

Variable 846	AB DAMAGE SOURCE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - BAGDAMSO

Source of air bag damage

20Aug08	Prcnt	Code	Value and Description
2828	26.2	0	Not equipped/not available
2815	26.0	1	Not damaged
			Yes - damaged
1	0.0	2	Object worn by occupant
0	0.0	3	Object carried by occupant
0	0.0	4	Adaptive/assistive controls (specify)
4	0.0	5	Fire in vehicle
5	0.0	6	Thermal burns
3	0.0	7	Rescue or emergency efforts
31	0.3	88	Other damage source (specify)
2	0.0	95	Damaged, unknown source
536	5.0	96	Deployed, unknown if damaged
3362	31.1	97	Not deployed
220	2.0	98	Unknown if deployed
1002	9.3	99	Unknown

Variable 847	AB TETHERED	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGTETHR

Was the air bag tethered?

20Aug08 Prcnt	Code Value and Description
10809 100.0	9 Not provided in 2006-2007 datasets

Variable 848	AIR BAG VENT PORTS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGVENTS

Did air bag have vent ports?

20Aug08 Prcnt	Code Value and Description
10809 100.0	9 Not provided in 2006-2007 datasets

Variable 849	AB CONTACTED BY OTHER OC	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGCONOT

Was air bag in this occupant's position contacted by another occupant?

20Aug08 Prcnt	Code Value and Description
10809 100.0	9 Not provided in 2007 dataset

Variable 850	EYEWEAR WORN	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - EYEWEAR

Was this occupant wearing eyewear?

20Aug08 Prcnt	Code Value and Description
2828 26.2	0 Not air bag equipped/not available
1680 15.5	1 No
614 5.7	2 Eyeglasses/sunglasses
212 2.0	3 Contact lenses
891 8.2	4 Deployed, unknown if eyewear worn
3362 31.1	7 Not deployed
220 2.0	8 Unknown if deployed

Variable 850:EYEWEAR WORN (Continued)

20Aug08 Prcnt Code Value and Description

1002 9.3 9 Unknown

Variable 851 HEAD RESTRAINT TYPE/DAM Width: 1 Type: Numeric
Dec: None Miss: 9

NHTSA SAS Variable - HEADREST

Head restraint type/damage by occupant at this position

20Aug08 Prcnt Code Value and Description

622 5.8 0 No head restraints
1357 12.6 1 Integral - no damage
3 0.0 2 Integral - damaged during accident
6427 59.5 3 Adjustable - no damage
24 0.2 4 Adjustable - damaged during accident
3 0.0 5 Add-on - no damage
0 0.0 6 Add-on - damaged during accident
1 0.0 8 Other
2372 21.9 9 Unknown

Variable 852 SEAT TYPE Width: 2 Type: Numeric
Dec: None Miss: 99

NHTSA SAS Variable - SEATTYPE

Seat Type (this Occupant's Position)

20Aug08 Prcnt Code Value and Description

51 0.5 0 Occupant not seated or no seat
4797 44.4 1 Bucket
1119 10.4 2 Bucket with folding back
396 3.7 3 Bench
172 1.6 4 Bench with separate back cushions
554 5.1 5 Bench with folding back(s)
636 5.9 6 Split bench with separate back cushions
456 4.2 7 Split bench with folding back(s)
7 0.1 8 Pedestal (i.e., column supported)
278 2.6 9 Box mounted seat (i.e., van type)
7 0.1 10 Other seat type
2336 21.6 99 Unknown

Variable 853	SEAT ORIENTATION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - STORIENT

Seat Orientation (this Occupant's Position)

20Aug08	Prcnt	Code	Value and Description
51	0.5	0	Occupant not seated or no seat
8403	77.7	1	Forward facing seat
1	0.0	2	Rear facing seat
1	0.0	3	Side facing seat (inward)
0	0.0	4	Side facing seat (outward)
0	0.0	8	Other
2353	21.8	9	Unknown

Variable 854	SEAT TRACK	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - SEATRACK

Seat track adjusted position prior to impact

20Aug08	Prcnt	Code	Value and Description
51	0.5	0	Occupant not seated or no seat
1250	11.6	1	Nonadjustable seat track
			Adjustable seat track
269	2.5	2	Seat at forward most track position
888	8.2	3	Seat between forward most track and middle track position
1852	17.1	4	Seat at middle track position
1762	16.3	5	Seat between middle and rear most track position
1761	16.3	6	Seat at rear most track position
2976	27.5	9	Unknown

Variable 855	SEAT BACK INCLINE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - STBACINC

Seat back incline prior and post impact

20Aug08	Prcnt	Code	Value and Description
51	0.5	0	Occupant not seated or no seat
1363	12.6	1	Nonadjustable
			Upright prior to impact
11	0.1	11	Moved to completely rearward position
16	0.1	12	Moved to rearward midrange position

Variable 855:SEAT BACK INCLINE (Continued)

20Aug08	Prcnt	Code	Value and Description
36	0.3	13	Moved to slightly rearward position
1541	14.3	14	Retained pre-impact position
29	0.3	15	Moved to slightly forward position
4	0.0	16	Moved to forward midrange position
3	0.0	17	Moved to completely forward position
Slightly reclined prior to impact			
51	0.5	21	Moved to completely rearward position
185	1.7	22	Moved to rearward midrange position
4508	41.7	23	Retained pre-impact position
25	0.2	24	Moved to upright position
47	0.4	25	Moved to slightly forward position
23	0.2	26	Moved to forward midrange position
5	0.0	27	Moved to completely forward position
Completely reclined prior to impact			
27	0.2	31	Retained pre-impact position
1	0.0	32	Moved to rearward midrange position
1	0.0	33	Moved to slightly rearward position
1	0.0	34	Moved to upright position
0	0.0	35	Moved to slightly forward position
0	0.0	36	Moved to forward midrange position
0	0.0	37	Moved to completely forward position
2881	26.7	99	Unknown

Variable 856	SEAT PERFORMANCE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - SEATPERF

Seat Performance (this Occupant's Position)

20Aug08	Prcnt	Code	Value and Description
51	0.5	0	Occupant not seated or no seat
7136	66.0	1	No seat performance failure(s)
20	0.2	2	Seat adjusters failed
0	0.0	3	Seat back folding locks or "seat back" failed
16	0.1	4	Seat track/anchors failed
243	2.2	5	Deformed by occupant impact
402	3.7	6	Deformed by passenger compartment intrusion
21	0.2	7	Combination of above
44	0.4	10	Deformed by cargo
102	0.9	11	Deformed by other occupant
22	0.2	98	Other
2752	25.5	99	Unknown

Variable 857	CHILD SEAT MAKE/MODEL	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - CHMAKE

Child Safety Seat Make/Model

20Aug08	Prcnt	Code	Value and Description
10450	96.7	0	No child safety seat
1	0.0	115	Joy Ride
1	0.0	146	Eddie Bauer Infant Car Seat - Make: Cosco/Dorel
1	0.0	205	Century 1000 STE
1	0.0	206	Century 2000 STE
2	0.0	207	Century 3000 STE, 3500 STE
1	0.0	227	Little Trav'ler
6	0.1	272	Cosco/Doral Scenera
5	0.0	278	Cosco/Doral Eddie Bauer
4	0.0	325	Cosco/Doral Ambassador
1	0.0	326	Cosco/Doral Eddie Baur Deluxe 3-in-1
4	0.0	328	Cosco/Doral Highrise
7	0.1	330	Evenflo Big Kid
1	0.0	331	Britax Parkway
1	0.0	332	Cosco/Doral Traveler
1	0.0	336	Safety 1st Highrider
1	0.0	358	Nania HighRide
1	0.0	500	Cosco/Doral Eddie Bauer Deluxe Convertible
2	0.0	504	Intera
1	0.0	505	Enspira
1	0.0	516	Breverra Ascend - Make: Century Products
2	0.0	517	Breverra Metro - Make: Century Products
1	0.0	545	Express - Make: Evenflo
8	0.1	550	High Backed Booster - Make: Cosco
10	0.1	551	Alpha Omega - Make: Cosco
3	0.0	578	Regal Ride - Make: Cosco
4	0.0	581	Touriva - Make: Cosco
2	0.0	585	Voyager - Make: Cosco
1	0.0	610	Ultara I - Make: Evenflo
1	0.0	615	Maxi-Cosi Priori - Make: Cosco
1	0.0	624	Booster Seat - Make: Evenflo
1	0.0	628	Conquest V - Make: Evenflo
6	0.1	629	Discovery - Make: Evenflo
3	0.0	637	Roundabout - Make: Britax
2	0.0	649	On My Way - Make: Evenflo
3	0.0	656	Right Fit - Make: Evenflo
1	0.0	661	Secure Comfort - Make: Evenflo
3	0.0	668	Eddie Bauer 02-849, 02-880 - Make: Cosco
2	0.0	725	Complete Voyager - Make: Cosco
1	0.0	726	Designer 22 - Make: Cosco
1	0.0	727	Designer 35 - Make: Cosco
1	0.0	728	Dream Ride - Make: Cosco
19	0.2	749	Snug Ride - Make: Graco
1	0.0	750	Snug Ride DX5 - Make: Graco
1	0.0	793	Titan - Make: Evenflo
1	0.0	794	Cozy Carry - Make: Evenflo

Variable 857:CHILD SEAT MAKE/MODEL (Continued)

20Aug08	Prcnt	Code	Value and Description
7	0.1	795	ComfortSport - Make: Graco
1	0.0	796	Primo Viaggio - Make: Peg Perego
2	0.0	797	Summit - Make: Cosco
1	0.0	798	Chase Comfort Touch - Make: Evenflo
3	0.0	799	Triumph
18	0.2	802	TurboBooster - Make: Graco
1	0.0	805	Port About - Make: Evenflo
2	0.0	812	Marathon - Make: Britax
1	0.0	817	Tribute - Make: Evenflo
2	0.0	819	Vantage Point - Make: Safety 1st
1	0.0	821	Designer 22 - Make: Safety 1st
1	0.0	822	Grand Cargo - Make: Graco
2	0.0	824	Treasured Cargo - Make: Graco
2	0.0	829	Ultra Cargo - Make: Graco
1	0.0	832	Port About 3 - Make: Evenflo
1	0.0	834	Sightseer Comfort Touch - Make: Evenflo
1	0.0	837	LiteRider - Make: Graco
4	0.0	847	Combi Dakota
1	0.0	848	KeyFit - Make: Chicco
1	0.0	853	Traditions - Make: Evenflo
1	0.0	855	Surveyor
2	0.0	859	CarGo - Make: Graco
1	0.0	862	Chase DLX - Make: Evenflo
1	0.0	864	Eddie Bauer High Back Booster - Make: Cosco/Dorel
2	0.0	950	Built-in child safety seat
0	0.0	997	Other make/model
177	1.6	998	Unknown make/model
0	0.0	999	Unknown if child safety seat used

Variable 858	CHILD SEAT TYPE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CHTYPE

Type of child safety seat

20Aug08	Prcnt	Code	Value and Description
10450	96.7	0	No child safety seat
62	0.6	1	Infant seat
56	0.5	2	Toddler seat
80	0.7	3	Convertible seat
98	0.9	4	Booster seat - with shield
0	0.0	5	Booster seat - without shield
0	0.0	7	Other type child safety seat
63	0.6	8	Unknown child safety seat type
0	0.0	9	Unknown if child safety seat used

Variable 859	CHILD SEAT ORIENTATION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CHORIENT

Child safety seat orientation

20Aug08	Prcnt	Code	Value and Description
---------	-------	------	-----------------------

10450	96.7	0	No child safety seat
-------	------	---	----------------------

Designed for rear facing for this age/weight

60	0.6	1	Rear facing
79	0.7	2	Forward facing
1	0.0	8	Other orientation
2	0.0	9	Unknown orientation

Designed for forward facing for this age/weight

0	0.0	11	Rear facing
149	1.4	12	Forward facing
0	0.0	18	Other orientation
5	0.0	19	Unknown orientation

Unknown design or orientation, or unknown age/weight

0	0.0	21	Rear facing
4	0.0	22	Forward facing
0	0.0	28	Other orientation
59	0.5	29	Unknown orientation

0	0.0	99	Unknown if child safety seat used
---	-----	----	-----------------------------------

Variable 860	CHILD SEAT HARNESS USE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CHHARNES

Child safety seat harness usage

20Aug08	Prcnt	Code	Value and Description
---------	-------	------	-----------------------

10450	96.7	0	No child safety seat
-------	------	---	----------------------

Not designed with harness

89	0.8	1	After market harness added, not used
0	0.0	2	After market harness used
1	0.0	3	Child safety seat used, but no after market harness added
0	0.0	9	Unknown if harness added or used

Designed with harness

2	0.0	11	Harness not used
180	1.7	12	Harness used
4	0.0	19	Unknown if harness used

Variable 860:CHILD SEAT HARNESS USE (Continued)

20Aug08	Prcnt	Code	Value and Description
			Unknown if designed with harness
1	0.0	21	Harness not used
4	0.0	22	Harness used
78	0.7	29	Unknown if harness used
0	0.0	99	Unknown if child safety seat used

Variable 861	CHILD SEAT SHIELD USE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CHSHIELD

Child safety seat shield usage

20Aug08	Prcnt	Code	Value and Description
10450	96.7	0	No child safety seat
			Not designed with shield
89	0.8	1	After market shield added, not used
2	0.0	2	After market shield used
184	1.7	3	Child safety seat used, but no after market shield added
0	0.0	9	Unknown if shield added or used
			Designed with shield
0	0.0	11	Shield not used
1	0.0	12	Shield used
0	0.0	19	Unknown if shield used
			Unknown if designed with shield
5	0.0	21	Shield not used
0	0.0	22	Shield used
78	0.7	29	Unknown if shield used
0	0.0	99	Unknown if child safety seat used

Variable 862	CHILD SEAT TETHER USE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CHTETHER

Child safety seat tether usage

20Aug08	Prcnt	Code	Value and Description
10450	96.7	0	No child safety seat

Variable 862:CHILD SEAT TETHER USE (Continued)

20Aug08	Prcnt	Code	Value and Description
			Not designed with tether
0	0.0	1	After market tether added, not used
0	0.0	2	After market tether used
156	1.4	3	Child safety seat used, but no after market tether added
0	0.0	9	Unknown if tether added or used
			Designed with tether
71	0.7	11	Tether not used
27	0.2	12	Tether used
7	0.1	19	Unknown if tether used
			Unknown if designed with tether
13	0.1	21	Tether not used
0	0.0	22	Tether used
85	0.8	29	Unknown if tether used
0	0.0	99	Unknown if child safety seat used

Variable 863	INJURY SEVERITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INJSEV

20Aug08	Prcnt	Code	Value and Description
3720	34.4	0	O - No injury
2056	19.0	1	C - possible injury
1452	13.4	2	B - nonincapacitating injury
2713	25.1	3	A - incapacitating injury
485	4.5	4	K - fatal injury
171	1.6	5	U - Injured - severity unknown
1	0.0	6	Died prior to accident
211	2.0	9	Unknown if injured

Variable 864	TREATMENT/MORTALITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TREATMNT

20Aug08	Prcnt	Code	Value and Description
3975	36.8	0	No treatment
497	4.6	1	Fatal
19	0.2	2	Fatal - ruled disease
			Nonfatal
1981	18.3	3	Hospitalized
3524	32.6	4	Transported and released

Variable 864:TREATMENT/MORTALITY (Continued)

20Aug08	Prcnt	Code	Value and Description
119	1.1	5	Treatment at scene - nontransported
270	2.5	6	Treatment later
0	0.0	7	Treatment - other
207	1.9	8	Transported to a medical facility - unknown if treated
217	2.0	9	Unknown

Variable 865	TYPE OF MEDICAL FACILITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MEDFACIL

20Aug08	Prcnt	Code	Value and Description
4423	40.9	0	Not treated at a medical facility
3644	33.7	1	Trauma center
2234	20.7	2	Hospital
6	0.1	3	Medical clinic
2	0.0	4	Physician's office
270	2.5	5	Treatment later at medical facility
0	0.0	8	Other
230	2.1	9	Unknown

Variable 866	HOSPITAL STAY	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - HOSPSTAY

20Aug08	Prcnt	Code	Value and Description
8358	77.3	0	Not hospitalized
515	4.8	1	- Actual number of days that the occupant stayed in hospital
3	0.0	60	
6	0.1	61	61 days or more
554	5.1	99	Unknown

Variable 867	WORKING DAYS LOST	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - WORKDAYS

20Aug08	Prcnt	Code	Value and Description
2323	21.5	0	No working days lost
414	3.8	1	

Variable 867:WORKING DAYS LOST (Continued)

20Aug08	Prcnt	Code	Value and Description
		-	Actual number of days that the occupant lost from work due to the accident
3	0.0	60	
0	0.0	61	61 days or more
516	4.8	62	Fatally injured
3053	28.2	97	Not working prior to accident
3441	31.8	99	Unknown

Variable 868	TIME TO DEATH	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - DEATH

20Aug08	Prcnt	Code	Value and Description
10293	95.2	0	Not fatal
			Time in Hours
127	1.2	1	Less than 1 and 1/2 hours from the time of the accident
31	0.3	2	- Actual time to nearest hour
1	0.0	23	
5	0.0	24	From 23 1/2 to 24 hours after the accident
			Time in Days
6	0.1	31	- Actual time to nearest day (one day=31, 2 days=32, etc.)
1	0.0	55	
0	0.0	60	From 29 1/2 to 30 days after the accident
19	0.2	96	Fatal - ruled disease
245	2.3	99	Unknown

Variable 869	CAUSE OF DEATH-1-MED REP	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CAUSE1

Injury number of medically reported cause of death (1)

20Aug08	Prcnt	Code	Value and Description
10293	95.2	0	Not fatal or no additional causes
150	1.4	1	- Injury number
1	0.0	33	
11	0.1	96	Mode of death given but specific injuries are not linked to cause of death

Variable 869:CAUSE OF DEATH-1-MED REP (Continued)

20Aug08	Prcnt	Code	Value and Description
19	0.2	97	Other result (includes fatal ruled disease)
168	1.6	99	Unknown

Variable 870	CAUSE OF DEATH-2-MED REP	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CAUSE2

Injury number of medically reported cause of death (2)

20Aug08	Prcnt	Code	Value and Description
10549	97.6	0	Not fatal or no additional causes
16	0.1	1	
		-	Injury number
1	0.0	31	

Variable 871	CAUSE OF DEATH-3-MED REP	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CAUSE3

Injury number of medically reported cause of death (3)

20Aug08	Prcnt	Code	Value and Description
10600	98.1	0	Not fatal or no additional causes
10	0.1	1	
		-	Injury number
1	0.0	31	

Variable 872	NUM RECORDED INJURIES	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INJNUM

Number of recorded injuries

20Aug08	Prcnt	Code	Value and Description
3807	35.2	0	No recorded injuries
1434	13.3	1	
		-	Actual number of injuries recorded for this occupant
1	0.0	49	
540	5.0	97	Injured, details unknown
256	2.4	99	Unknown if injured

Variable 873	GLASGOW COMA SCALE SCORE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - GLASGOW

Glasgow Coma Scale (GCS) Score

20Aug08	Prcnt	Code	Value and Description
3807	35.2	0	Not injured
940	8.7	1	Injured - not treated at medical facility
1161	10.7	2	No GCS score at medical facility
95	0.9	3	- Actual value of the initial GCS score recorded at medical facility
3649	33.8	15	
540	5.0	97	Injured, details unknown
256	2.4	99	Unknown if injured

Variable 874	WAS OCCUPANT GIVEN BLOOD	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BLOOD

20Aug08	Prcnt	Code	Value and Description
9251	85.6	1	No - blood not given
223	2.1	2	Yes - Blood given (specify units)
1335	12.4	9	Unknown if blood given

Variable 875	ARTERIAL BLOOD GASES	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - BICARB

Arterial blood gases (ABG) - HCO3

20Aug08	Prcnt	Code	Value and Description
3807	35.2	0	Not injured
5563	51.5	1	Injured - ABGs not measured or reported
1	0.0	7	- Actual value of HCO3
1	0.0	45	
38	0.4	96	ABGs reported, HCO3 unknown
540	5.0	97	Injured, details unknown
256	2.4	99	Unknown if injured

<u>Variable 876</u>	<u>BELT USE DETERMINATION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BELTSOU

Primary source of belt use determination

20Aug08	Prcnt	Code	Value and Description
122	1.1	0	Not equipped/not available/destroyed or rendered inoperative
8046	74.4	1	Vehicle inspection
126	1.2	2	Official injury data
1290	11.9	3	Driver/occupant interview
29	0.3	8	Other
1196	11.1	9	Unknown if belt used

<u>Variable 877</u>	<u>MAXIMUM KNOWN AIS</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MAIS

20Aug08	Prcnt	Code	Value and Description
3807	35.2	0	Not injured
3753	34.7	1	Minor injury
895	8.3	2	Moderate injury
815	7.5	3	Serious injury
373	3.5	4	Severe injury
246	2.3	5	Critical injury
100	0.9	6	Maximum (untreatable) injury
564	5.2	7	Injury, unknown severity
256	2.4	9	Unknown if injured

<u>Variable 878</u>	<u>INJURY SEVERITY SCORE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - ISS

Injury Severity Score (ISS)

20Aug08	Prcnt	Code	Value and Description
4627	42.8	0	Not injured
2586	23.9	1	ISS 1
		-	
100	0.9	75	Maximum ISS
0	0.0	99	Unknown ISS

The OCCUPANT INJURY Variables

Variables 901 through 921 describe the injuries received by sampled vehicle occupants involved in the accident. Vehicles with BODY TYPE greater than 49 have no injury records.

<hr style="width: 100%; border: 0.5px solid black;"/>	<u>Variable 901</u> <u>PSU NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSU

20Aug08 Prcnt	Code Value and Description	
928 3.1	2	- PSU Number
573 1.9	82	

<hr style="width: 100%; border: 0.5px solid black;"/>	<u>Variable 902</u> <u>CASE NUMBER</u>	Width: 4	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - CASEID

<hr style="width: 100%; border: 0.5px solid black;"/>	<u>Variable 903</u> <u>RECORD NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

20Aug08 Prcnt	Code Value and Description	
29829 100.0	10	Occupant injury record

<hr style="width: 100%; border: 0.5px solid black;"/>	<u>Variable 904</u> <u>VERSION NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VERSION

20Aug08 Prcnt	Code Value and Description	
29829 100.0	20	Version 20

Variable 905	VEHICLE NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VEHNUM

20Aug08	Prcnt	Code	Value and Description
21136	70.9	1	Vehicle #1
8160	27.4	2	Vehicle #2
454	1.5	3	Vehicle #3
64	0.2	4	Vehicle #4
5	0.0	5	Vehicle #5
9	0.0	6	Vehicle #6
1	0.0	8	Vehicle #8

Variable 906	OCCUPANT NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - OCCNO

20Aug08	Prcnt	Code	Value and Description
20930	70.2	1	
		-	Occupant number
5	0.0	9	

Variable 907	INJURY NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - INJNO

20Aug08	Prcnt	Code	Value and Description
6206	20.8	1	
		-	Injury number
1	0.0	49	

Variable 908	INJURY DATA SOURCE	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - SOUDAT

20Aug08	Prcnt	Code	Value and Description
			Official Sources
6966	23.4	2	Hospital/medical records other than emergency room (e.g., discharge summary)
12990	43.5	3	Emergency room records only (including associated x-rays or other lab reports)
0	0.0	4	Private physician - walk-in or emergency clinic

Variable 908:INJURY DATA SOURCE (Continued)

20Aug08	Prcnt	Code	Value and Description
			Unofficial Sources
1	0.0	5	Lay coroner report
157	0.5	6	E.M.S. personnel
4030	13.5	7	Interviewee
15	0.1	8	Other source
65	0.2	9	Police
4470	15.0	16	Autopsy - Internal
1135	3.8	17	Autopsy - External Only

Variable 909	BODY REGION - AIS90	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - REGION90

20Aug08	Prcnt	Code	Value and Description
4187	14.0	1	Head
4605	15.4	2	Face
414	1.4	3	Neck
3662	12.3	4	Thorax
1976	6.6	5	Abdomen
3230	10.8	6	Spine
5269	17.7	7	Upper Extremity
6319	21.2	8	Lower Extremity
167	0.6	9	Unspecified

Variable 910	ASPECT - AIS90	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ASPECT90

20Aug08	Prcnt	Code	Value and Description
1586	5.3	0	Whole region
7624	25.6	1	Right
8625	28.9	2	Left
2203	7.4	3	Bilateral
1428	4.8	4	Central
730	2.4	5	Anterior
2087	7.0	6	Posterior
1863	6.2	7	Superior
2337	7.8	8	Inferior
1346	4.5	9	Unknown

Variable 911	TYPE OF ANATOMIC STRUCT	Width: 1	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - STRUTYPE

20Aug08 Prcnt	Code	Value and Description
		Type of Anatomic Structure - AIS90
185	0.6	1 Whole Area
170	0.6	2 Vessels
65	0.2	3 Nerves
4833	16.2	4 Organs (includes muscles/ligaments)
6774	22.7	5 Skeletal (includes joints)
794	2.7	6 Head - LOC (Level of Consciousness)
17008	57.0	9 Skin

Variable 912	SPECIFIC ANATOMIC STRUCT	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - STRUSPEC

Valid only in combination with Body Region and Type of Structure
- AIS90 Some examples are:

20Aug08 Prcnt	Code	Value and Description
		WHOLE AREA
	2	Skin - Abrasion
	4	Skin - Contusion
	6	Skin - Laceration
	8	Skin - Avulsion
	10	Amputation
	20	Burn
	30	Crush
	40	Degloving
	50	Injury - NFS
	90	Trauma, other than mechanical
		HEAD - LOC
	2	Length of LOC
	4	Level of Consciousness
	6	Level of Consciousness
	8	Level of Consciousness
	10	Concussion
		SPINE
	2	Cervical
	4	Thoracic
	6	Lumbar

Variable 913	LEVEL OF INJURY	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - INJLEVEL

Valid only in combination with Body Region and Type of Structure
Specific injuries are assigned consecutive numbers

20Aug08	Prcnt	Code	Value and Description
1982	6.6	0	- Injury Level
305	1.0	99	

Variable 914	AIS SEVERITY	Width: 1	Type: Numeric
		Dec: None	Miss: 7

NHTSA SAS Variable - AIS

20Aug08	Prcnt	Code	Value and Description
20108	67.4	1	Minor injury
4844	16.2	2	Moderate injury
3091	10.4	3	Serious injury
1051	3.5	4	Severe injury
482	1.6	5	Critical injury
125	0.4	6	Maximum (untreatable)
128	0.4	7	Injured, unknown severity

Variable 915	INJURY SOURCE	Width: 3	Type: Numeric
		Dec: None	Miss: 697

NHTSA SAS Variable - INJSOU

20Aug08	Prcnt	Code	Value and Description
Front			
637	2.1	1	Windshield
105	0.4	2	Mirror
115	0.4	3	Sunvisor
962	3.2	4	Steering wheel rim
63	0.2	5	Steering wheel hub/spoke
1269	4.3	6	Steering wheel (combination of rim, hub/spoke)
46	0.2	7	Steering column, transmission, selector lever, other attachment
0	0.0	8	Cellular telephone or CB radio
7	0.0	9	Add-on equipment (e.g., tape deck, air conditioner)
0	0.0	10	Left instrument panel and below
0	0.0	11	Center instrument panel and below
0	0.0	12	Right instrument panel and below
272	0.9	13	Glove compartment door
0	0.0	14	Knee bolster

Variable 915:INJURY SOURCE (Continued)

20Aug08	Prcnt	Code	Value and Description
53	0.2	15	Windshield +: front header,A-pillar (A1/A2),instr panel, mirror,steering assembly-driver side
55	0.2	16	Windshield + 1 or more from: front header,A-pillar (A1/A2),instr panel,mirror,-passenger side
21	0.1	17	Windshield reinforced by exterior object
5	0.0	19	Other front object
161	0.5	20	Sunvisor reinforced by front header
426	1.4	21	Left instrument panel
359	1.2	22	Center instrument panel
448	1.5	23	Right instrument panel
1877	6.3	24	Left lower instrument panel
206	0.7	25	Center lower instrument panel
232	0.8	26	Right lower instrument panel
Left Side			
1319	4.4	51	Left side interior surface (excluding hardware or armrest)
713	2.4	52	Left side hardware or armrest
436	1.5	53	Left A-pillar (A1/A2)
561	1.9	54	Left B-pillar
36	0.1	55	Other left pillar
39	0.1	56	Left side window glass
68	0.2	57	Left side window frame
8	0.0	58	Left side window sill
1	0.0	59	Left side window glass + 1 or more from: frame>window sill,A-pillar (A1/A2),B-pillar,roof side rail
2	0.0	60	Other left side object
Right Side			
846	2.8	101	Right side interior surface (excluding hardware or armrest)
300	1.0	102	Right side hardware or armrest
137	0.5	103	Right A-pillar (A1/A2)
272	0.9	104	Right B-pillar
30	0.1	105	Other right pillar
1	0.0	106	Right side window glass
23	0.1	107	Right side window frame
0	0.0	108	Right side window sill
0	0.0	109	Right side window glass + 1 or more from: frame>window sill,A-pillar (A1/A2),B-pillar,roof side rail
0	0.0	110	Other right side object
Interior			
1184	4.0	151	Seat, back support
3294	11.0	152	Belt restraint webbing/buckle
54	0.2	153	Belt restraint B pillar or door frame attachment point
4	0.0	154	Other restraint system component
235	0.8	155	Head restraint system
339	1.1	160	Other occupants
76	0.3	161	Interior loose objects
0	0.0	162	Child safety seat
109	0.4	163	Other interior object

Variable 915:INJURY SOURCE (Continued)

20Aug08	Prcnt	Code	Value and Description
0	0.0	164	Center console - first row
0	0.0	165	Center console - second row
0	0.0	166	Center console - other row
0	0.0	167	Fold down armrest - first row
0	0.0	168	Fold down armrest - second row
0	0.0	169	Fold down armrest - other row
Air Bag			
1027	3.4	170	Air bag - driver side
105	0.4	171	Air bag - driver side and eyewear
6	0.0	172	Air bag - driver side and jewelry
4	0.0	173	Air bag - driver side and object held
0	0.0	174	Air bag - driver side and object in mouth
30	0.1	175	Air bag compartment cover - driver side
0	0.0	176	Air bag compartment cover - driver side and eyewear
0	0.0	177	Air bag compartment cover - driver side and jewelry
0	0.0	178	Air bag compartment cover - driver side and object held
0	0.0	179	Air bag compartment cover - driver side and object in mouth
254	0.9	180	Air bag - passenger side
15	0.1	181	Air bag - passenger side and eyewear
1	0.0	182	Air bag - passenger side and jewelry
0	0.0	183	Air bag - passenger side and object held
1	0.0	184	Air bag - passenger side and object in mouth
18	0.1	185	Air bag compartment cover - passenger side
0	0.0	186	Air bag compartment cover - passenger side and eyewear
0	0.0	187	Air bag compartment cover - passenger side and jewelry
0	0.0	188	Air bag compartment cover - passenger side and object held
0	0.0	189	Air bag compartment cover - passenger side and object in mouth
93	0.3	190	Other air bag
6	0.0	195	Other air bag compartment cover
Roof			
233	0.8	201	Front header
26	0.1	202	Rear header
257	0.9	203	Roof left side rail
109	0.4	204	Roof right side rail
876	2.9	205	Roof or convertible top
61	0.2	206	Roof maplight/console
33	0.1	207	Sunroof/components
1	0.0	208	Roll-bar
Floor			
814	2.7	251	Floor including toe pan
510	1.7	252	Floor or console-mounted transmission lever (including console)
1	0.0	253	Parking brake handle
291	1.0	254	Foot controls (including parking brake)

Variable 915:INJURY SOURCE (Continued)

20Aug08	Prcnt	Code	Value and Description
			Additional Child Seat Codes
35	0.1	271	Child Seat Shell
46	0.2	272	Child Harness
0	0.0	273	Unknown Child Safety Seat Component
			Rear
6	0.0	301	Backlight (rear window)
1	0.0	302	Backlight storage rack, door, etc.
1	0.0	303	Other rear object
			Adaptive (Assistive) Driving Equipment
0	0.0	401	Hand controls for braking/acceleration
0	0.0	402	Steering control devices (attached to OEM steering wheel)
0	0.0	403	Steering knob attached to steering wheel
3	0.0	405	Replacement steering wheel (ie reduced diameter)
0	0.0	406	Joy-stick steering controls
0	0.0	407	Wheelchair tie-downs
0	0.0	408	Modifications to seat belts (specify)
0	0.0	409	Additional or relocated switches (specify)
0	0.0	410	Raised roof
0	0.0	411	Wall mounted head rest (used behind wheelchair)
0	0.0	412	Other adaptive device (specify)
			Exterior of Occupant's Vehicle
0	0.0	451	Hood
4	0.0	452	Outside hardware (outside mirror, antenna)
111	0.4	453	Other exterior surface or tires
150	0.5	454	Unknown exterior objects
			Exterior of Other Motor Vehicle
0	0.0	501	Front bumper
72	0.2	502	Hood edge
24	0.1	503	Other front of vehicle
1	0.0	504	Hood
0	0.0	505	Hood ornament
0	0.0	506	Windshield, roof rail, A-pillar
7	0.0	507	Side surface
8	0.0	508	Side mirrors
0	0.0	509	Other side protrusions
50	0.2	510	Rear surface
1	0.0	511	Undercarriage
68	0.2	512	Tires and wheels
0	0.0	513	Other exterior of striking vehicle
19	0.1	514	Unknown exterior of striking vehicle
			Other Vehicle or Object in the Environment
2202	7.4	551	Ground
74	0.2	570	Same occupant contact (specify)
0	0.0	571	Interior loose object
0	0.0	572	Seat latch points for child restraint
20	0.1	573	Grab handles

Variable 915:INJURY SOURCE (Continued)

20Aug08	Prcnt	Code	Value and Description
1	0.0	574	Engine shroud/cover
0	0.0	575	Seatback trays
303	1.0	598	Other vehicle or object
1	0.0	599	Unknown vehicle or object
Noncontact Injury			
19	0.1	601	Fire in vehicle
551	1.8	602	Flying glass
891	3.0	603	Other noncontact injury source
45	0.2	604	Air bag exhaust gases
2937	9.8	697	Injured, unknown source

Variable 916	CONFIDENCE LEVEL	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - SOUCON

Injury source confidence level

20Aug08	Prcnt	Code	Value and Description
10294	34.5	1	Certain
11850	39.7	2	Probable
4748	15.9	3	Possible
2937	9.8	9	Unknown

Variable 917	DIRECT/INDIRECT INJURY	Width: 1	Type: Numeric
		Dec: None	Miss: 7

NHTSA SAS Variable - DIRINJ

20Aug08	Prcnt	Code	Value and Description
23948	80.3	1	Direct contact injury
1438	4.8	2	Indirect contact injury
1506	5.0	3	Noncontact injury
0	0.0	4	Air bag related injury
2937	9.8	7	Injured, unknown source

Variable 918	INTRUSION NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INTRUNO

Occupant area intrusion number

20Aug08	Prcnt	Code	Value and Description
19753	66.2	0	No intrusion or injury not associated with a documented intrusion
1366	4.6	1	- Intrusion number
105	0.4	10	
688	2.3	97	Injury associated with a noncoded intrusion
4101	13.7	99	Unknown

Variable 919	OIC - BODY REGION	Width: 2	Type: Numeric
		Dec: None	Miss: 21

NHTSA SAS Variable - BODYREG

20Aug08	Prcnt	Code	Value and Description
136	0.5	1	A - Arm (upper)
1677	5.6	2	B - Back - thoracolumbar spine
3625	12.2	3	C - Chest
30	0.1	5	E - Elbow
4601	15.4	6	F - Face
4191	14.1	8	H - Head - skull
180	0.6	11	K - Knee
428	1.4	12	L - Leg (lower)
2019	6.8	13	M - Abdomen
1967	6.6	14	N - Neck - cervical spine
634	2.1	16	P - Pelvis - hip
626	2.1	17	Q - Ankle - foot
399	1.3	18	R - Forearm
401	1.3	19	S - Shoulder
350	1.2	20	T - Thigh
161	0.5	21	U - Injured - unknown region
289	1.0	23	W - Wrist - hand
4014	13.5	24	X - Upper limb(s) (whole or unknown part)
4101	13.7	25	Y - Lower limb(s) (whole or unknown part)

Variable 920	OIC - LESION	Width: 2	Type: Numeric
		Dec: None	Miss: 21

NHTSA SAS Variable - LESION

20Aug08	Prcnt	Code	Value and Description
5562	18.6	1	A - Abrasion

Variable 920:OIC - LESION (Continued)

20Aug08	Prcnt	Code	Value and Description
67	0.2	2	B - Burn
9189	30.8	3	C - Contusion
365	1.2	4	D - Dislocation
8	0.0	5	E - Total severance, transection
5879	19.7	6	F - Fracture
45	0.2	7	G - Detachment, separation
794	2.7	11	K - Concussion
4410	14.8	12	L - Laceration
23	0.1	13	M - Amputation
42	0.1	14	N - Crush
8	0.0	15	O - Other
55	0.2	18	R - Rupture
312	1.0	19	S - Sprain
1593	5.3	20	T - Strain
1297	4.3	21	U - Injured - unknown lesion
180	0.6	22	V - Avulsion

Variable 921	OIC - SYSTEM ORGAN	Width: 2	Type: Numeric
		Dec: None	Miss: 21

NHTSA SAS Variable - SYSORG

20Aug08	Prcnt	Code	Value and Description
170	0.6	1	A - Arteries - veins
2048	6.9	2	B - Brain
86	0.3	3	C - Spinal cord
223	0.7	4	D - Digestive
4	0.0	5	E - Ears
52	0.2	7	G - Urogenital
133	0.4	8	H - Heart
17012	57.0	9	I - Integumentary
690	2.3	10	J - Joints
104	0.3	11	K - Kidneys
282	0.9	12	L - Liver
1680	5.6	13	M - Muscles
64	0.2	14	N - Nervous system
82	0.3	15	O - Eye
502	1.7	16	P - Pulmonary - lungs
238	0.8	17	Q - Spleen
63	0.2	18	R - Respiratory
6007	20.1	19	S - Skeletal
54	0.2	20	T - Thyroid, other endocrine gland
214	0.7	21	U - Injured - unknown system
56	0.2	22	V - Vertebrae
65	0.2	23	W - All systems in region

Index to Variables and Code Value Names

"*" = Variable Name (i.e., no code value)

"+" = Many code values for this variable

Item	Var	CV	Variable Name or Code Value
abdomen	909	5	Abdomen
abdomen	919	13	M - Abdomen
abnormal	813	8	Other abnormal posture
abraded	558	6	Abraded (scraped)
abraded	559	6	Abraded (scraped)
abraded	845	7	Abraded
abrasion	920	1	A - Abrasion
abs	330	4	ABS standard, wheels unknown
absorption	365	*	ENERGY ABSORPTION
ac	393	97	AC test performed, results unknown
accelerating	375	3	Accelerating in traffic lane
accelerating	379	10	Accelerating
acceleration	915	401	Hand controls for braking/acceleration
access	376	74	From entrance to limited access highway
access	380	3	Driveway, alley access related
acid	562	10	Lead acid battery
acid	563	10	Lead acid battery
across	376	66	From crossing street - across path
across	813	2	Lying on or across seat
action	379	98	Other action
active	401	1	A - Active (manual) belts
acura	307	54	Acura
adaptive	756	*	ADAPTIVE TECHNOLOGY
adaptive	846	4	Adaptive/assistive controls (specify)
adaptive	915	412	Other adaptive device (specify)
add-on	851	5	Add-on - no damage
add-on	915	9	Add-on equipment (e.g., tape deck, air c
adjustable	824	9	Unknown if position has adjustable shoul
adjustable	851	3	Adjustable - no damage
adjuster	856	2	Seat adjusters failed
adjusting	374	7	While adjusting climate controls
adjustment	824	1	No upper anchorage adjustment for manual
aerostar	309	20	Minivan (Astro, Caravan, Plymouth Vista,
aerostar	351	20	Minivan (Astro, Caravan, Plymouth Vista,
age	807	*	AGE
air	399	*	AIR BAG DEPLOY 1ST SEAT
air	400	*	AIR BAG DEPLOY OTH SEAT
air	401	2	B - Driver front air bag / passenger sid
air	831	*	AIR BAG AVAIL/FUN POLICE
air	832	*	AIR BAG AVAIL/FUNCTION
air	833	*	AIR BAG DEPLOYMENT
air	834	1	Air bag
air	835	*	AIR BAG DEPLOY/OTHER
air	836	*	AIR BAG SYSTEM FAILURE
air	838	*	AIR BAG TYPE
air	839	*	AIR BAG MAINTENANCE
air	840	*	AIR BAG EVENT NUMBER
air	841	*	CDC OF AIR BAG DEPLOY
air	844	3	Deployed, unknown if air bag module cove
air	848	*	AIR BAG VENT PORTS
air	850	0	Not air bag equipped/not available
air	915	9	Add-on equipment (e.g., tape deck, air c
air	917	4	Air bag related injury

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
air bag	834	*	AB AVAIL/OTHER
air bag	837	*	AB DEPLOY/PREVIOUS ACC
air bag	842	*	AB ASSOC LONG DELTA V
air bag	843	*	AB FLAPS OPEN CORRECTLY
air bag	844	*	AB FLAPS DAMAGED
air bag	845	*	AB DAMAGED
air bag	846	*	AB DAMAGE SOURCE
air bag	847	*	AB TETHERED
air bag	849	*	AB CONTACTED BY OTHER OC
ais	112	*	MAXIMUM KNOWN AIS
ais	403	*	MAXIMUM KNOWN AIS
ais	877	*	MAXIMUM KNOWN AIS
ais	914	*	AIS SEVERITY
ais90	909	*	BODY REGION - AIS90
ais90	910	*	ASPECT - AIS90
alcohol	115	*	ALCOHOL INVOLVEMENT
alcohol	392	*	ALCOHOL PRESENCE
alcohol	393	*	ALCOHOL TEST RESULT
alfa	307	31	Alfa Romeo
algorithm	361	3	Missing vehicle algorithm
algorithm	370	998	Trajectory algorithm
alignment	383	*	ROADWAY ALIGNMENT
alley	380	3	Driveway, alley access related
ambulance	309	11	Auto based panel (cargo station wagon, i
ambulance	327	6	Ambulance
ambulance	351	11	Auto based panel (cargo station wagon, i
american	307	1	American Motors
american	308	+	Rambler/American
american	397	5	American Indian, Eskimo or Aleut
amputation	920	13	M - Amputation
anatomic	911	*	TYPE OF ANATOMIC STRUCT
anatomic	912	*	SPECIFIC ANATOMIC STRUCT
anchor	824	*	SHOULDER BELT ANCHOR ADJ
anchor	856	4	Seat track/anchors failed
anchorage	823	4	Upper anchorage separated
anchorage	824	1	No upper anchorage adjustment for manual
anchorage	829	4	Upper anchorage separated
angle	118	4	Angle
angle	358	*	HEADING ANGLE - THIS VEH
angle	359	*	HEADING ANGLE - OTH VEH
animal	209	76	Animal
animal	355	76	Animal
animal	376	87	Animal in roadway
animal	507	76	Animal
animal	519	76	Animal
ankle	919	17	Q - Ankle - foot
antenna	915	452	Outside hardware (outside mirror, antenn
anterior	910	5	Anterior
antilock	330	*	ANTILOCK BRAKES
a-pillar	707	6	A-pillar (A1/A2)
a-pillar	711	6	A-pillar (A1/A2)
a-pillar	715	6	A-pillar (A1/A2)
a-pillar	719	6	A-pillar (A1/A2)
a-pillar	723	6	A-pillar (A1/A2)
a-pillar	727	6	A-pillar (A1/A2)
a-pillar	731	6	A-pillar (A1/A2)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
a-pillar	735	6	A-pillar (A1/A2)
a-pillar	739	6	A-pillar (A1/A2)
a-pillar	743	6	A-pillar (A1/A2)
a-pillar	915	15	Windshield +: front header,A-pillar (A1/
applied	356	*	PRIN TRIP FORCE APPLIED
april	106	4	April
arm	919	1	A - Arm (upper)
armrest	915	51	Left side interior surface (excluding ha
arrow	309	30	Compact pickup (Ram 50, Dakota, Arrow Pi
arrow	351	30	Compact pickup (Ram 50, Dakota, Arrow Pi
arterial	875	*	ARTERIAL BLOOD GASES
arteries	921	1	A - Arteries - veins
asian	397	3	Asian
asleep	374	11	Sleepy or fell asleep
aspect	910	*	ASPECT - AIS90
asphalt	385	2	Bituminous (asphalt)
assembly	707	1	Steering assembly
assembly	711	1	Steering assembly
assembly	715	1	Steering assembly
assembly	719	1	Steering assembly
assembly	723	1	Steering assembly
assembly	727	1	Steering assembly
assembly	731	1	Steering assembly
assembly	735	1	Steering assembly
assembly	739	1	Steering assembly
assembly	743	1	Steering assembly
assessment	803	9	Occupant assessment record
assistance	819	3	Exited from vehicle with some assistance
assistive	846	4	Adaptive/assistive controls (specify)
associated	842	*	AB ASSOC LONG DELTA V
associated	908	3	Emergency room records only (including a
associated	918	0	No intrusion or injury not associated wi
astro	309	20	Minivan (Astro, Caravan, Plymouth Vista,
astro	351	20	Minivan (Astro, Caravan, Plymouth Vista,
atc	309	90	ATV (all terrain vehicle including dune/
atc	351	90	ATV (all terrain vehicle including dune/
atmospheric	388	*	ATMOSPHERIC CONDITIONS
attached	915	402	Steering control devices (attached to OE
attachment	915	7	Steering column, transmission, selector
attempted	379	*	ATTEMPTED AVOID MANEUVER
attentive	374	1	Attentive or not distracted
attenuator	209	55	Impact attenuator
attenuator	355	55	Impact attenuator
attenuator	507	55	Impact attenuator
attenuator	519	55	Impact attenuator
atv	309	90	ATV (all terrain vehicle including dune/
atv	351	90	ATV (all terrain vehicle including dune/
audi	307	32	Audi
august	106	8	August
austin	307	33	Austin/Austin Healey
auto	309	10	Auto based pickup (includes El Camino, C
auto	351	10	Auto based pickup (includes El Camino, C
auto	825	*	AUTO RESTRAINT AVAILABLE
auto	826	*	AUTO (PASSIV) SYSTEM USE
auto	827	*	AUTO BELT SYSTEM TYPE
auto	828	*	PROPER USE OF AUTO BELT

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
auto	829	*	AUTO BELT FAILURE MODES
automatic	401	16	P - Passive (automatic) belts
automatic	825	1	2 point automatic belts
automatic	826	1	Automatic belt in use
automatic	829	1	No automatic belt failure(s)
automatic	830	7	Other or automatic restraint
automobile	309	8	Other automobile type
automobile	351	8	Other automobile type
autopsy	908	1	Autopsy records with or without hospital
avoid	379	*	ATTEMPTED AVOID MANEUVER
avoidance	375	17	Successful avoidance maneuver to a previ
avoidance	379	1	No avoidance maneuver
avulsion	920	22	V - Avulsion
axis	357	1	Roll right - primarily about longitudina
axle	554	1	Aft of center of the rear wheels (rear a
axle	555	1	Aft of center of the rear wheels (rear a
axle	556	2	Aft of center of the rear wheels (rear a
axle	557	2	Aft of center of the rear wheels (rear a
backing	375	13	Backing up (other than for parking posit
backing	376	56	Backing
backlight	606	7	Rear window (backlight)
backlight	622	*	IMPACT GLAZING DAM - BL
backlight	630	*	CONTACT GLAZING DAM - BL
backlight	638	*	TYPE OF GLAZING - BL
backlight	646	*	WIN PRECRASH STAT - BL
backlight	707	19	Backlight header
backlight	711	19	Backlight header
backlight	715	19	Backlight header
backlight	719	19	Backlight header
backlight	723	19	Backlight header
backlight	727	19	Backlight header
backlight	731	19	Backlight header
backlight	735	19	Backlight header
backlight	739	19	Backlight header
backlight	743	19	Backlight header
backlight	915	301	Backlight (rear window)
bag	399	*	AIR BAG DEPLOY 1ST SEAT
bag	400	*	AIR BAG DEPLOY OTH SEAT
bag	401	2	B - Driver front air bag / passenger sid
bag	831	*	AIR BAG AVAIL/FUN POLICE
bag	832	*	AIR BAG AVAIL/FUNCTION
bag	833	*	AIR BAG DEPLOYMENT
bag	834	1	Air bag
bag	835	*	AIR BAG DEPLOY/OTHER
bag	836	*	AIR BAG SYSTEM FAILURE
bag	838	*	AIR BAG TYPE
bag	839	*	AIR BAG MAINTENANCE
bag	840	*	AIR BAG EVENT NUMBER
bag	841	*	CDC OF AIR BAG DEPLOY
bag	844	3	Deployed, unknown if air bag module cove
bag	848	*	AIR BAG VENT PORTS
bag	850	0	Not air bag equipped/not available
bag	915	170	Air bag - driver side
bag	917	4	Air bag related injury
barrel	335	2	B - Higher HP, 1 barrel carburetor
barrier	209	54	Concrete traffic barrier

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
barrier	355	54	Concrete traffic barrier
barrier	366	*	BARRIER EQUIVALENT SPEED
barrier	381	1	Divided trafficway-median strip without
barrier	507	54	Concrete traffic barrier
barrier	519	54	Concrete traffic barrier
basis	361	*	BASIS FOR TOTAL DELTA-V
battery	562	10	Lead acid battery
battery	563	10	Lead acid battery
behind	915	411	Wall mounted head rest (used behind wheel)
below	363	-160	-159.5 kmph and below
below	364	-160	-159.5 kmph and below
below	915	10	Left instrument panel and below
belt	401	1	A - Active (manual) belts
belt	820	*	MANUAL BELT AVAILABILITY
belt	821	*	MANUAL BELT USE
belt	822	*	MANUAL BELT PROPER USE
belt	823	*	MANUAL BELT FAILURE
belt	824	*	SHOULDER BELT ANCHOR ADJ
belt	825	1	2 point automatic belts
belt	826	1	Automatic belt in use
belt	827	*	AUTO BELT SYSTEM TYPE
belt	828	*	PROPER USE OF AUTO BELT
belt	829	*	AUTO BELT FAILURE MODES
belt	830	2	Shoulder belt
belt	876	*	BELT USE DETERMINATION
belt	915	152	Belt restraint webbing/buckle
bench	852	3	Bench
benz	307	42	Mercedes Benz
beyond	361	4	At least one vehicle is beyond the scope
bicycle	309	81	Moped (motorized bicycle)
bicycle	351	81	Moped (motorized bicycle)
bilateral	910	3	Bilateral
bituminous	385	2	Bituminous (asphalt)
black	397	2	Black
blazer	309	15	Large utility (includes Jeep Cherokee, R
blazer	351	15	Large utility (includes Jeep Cherokee, R
block	385	3	Brick or block
blood	874	*	WAS OCCUPANT GIVEN BLOOD
blood	875	*	ARTERIAL BLOOD GASES
blow	376	1	Blow out or flat tire
blowing	388	15	Blowing Snow
bmw	307	34	BMW
body	309	*	BODY TYPE
body	345	*	VIN BODY TYPE
body	351	*	BODY TYPE - OTHER VEH
body	909	*	BODY REGION - AIS90
body	919	*	OIC - BODY REGION
bolster	753	*	KNEE BOLSTER TYPE
bolster	754	*	KNEE BOLSTERS DEFORMED
bolster	915	14	Knee bolster
booster	858	4	Booster seat - with shield
borderline	360	4	Borderline reconstruction - results appear
bounce-over	353	6	Bounce-over
box	852	9	Box mounted seat (i.e., van type)
b-pillar	707	7	B-pillar
b-pillar	711	7	B-pillar

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
b-pillar	715	7	B-pillar
b-pillar	719	7	B-pillar
b-pillar	723	7	B-pillar
b-pillar	727	7	B-pillar
b-pillar	731	7	B-pillar
b-pillar	735	7	B-pillar
b-pillar	739	7	B-pillar
b-pillar	743	7	B-pillar
b-pillar	915	54	Left B-pillar
bracing	813	7	Bracing with feet or hands on a surface
brain	921	2	B - Brain
brake	330	*	ANTILOCK BRAKES
brake	379	5	Releasing brakes
brake	915	253	Parking brake handle
braking	379	2	Braking (no lockup)
braking	915	401	Hand controls for braking/acceleration
brat	309	10	Auto based pickup (includes El Camino, C
brat	351	10	Auto based pickup (includes El Camino, C
breakaway	209	45	Breakaway pole or post (any diameter)
breakaway	355	45	Breakaway pole or post
breakaway	507	45	Breakaway pole or post (any diameter)
breakaway	519	45	Breakaway pole or post (any diameter)
brick	385	3	Brick or block
bridge	209	64	Bridge
bridge	355	64	Bridge
bridge	507	64	Bridge
bridge	519	64	Bridge
brockway	307	80	Brockway
broken	823	3	Broken buckle or latchplate
broken	829	3	Broken buckle or latchplate
bronco	309	14	Compact utility (includes Jeep CJ-2 thru
bronco	351	14	Compact utility (includes Jeep CJ-2 thru
brought	374	10	While using or reaching for device/objec
bsa	307	70	BSA
bucket	852	1	Bucket
buckle	823	3	Broken buckle or latchplate
buckle	829	3	Broken buckle or latchplate
buckle	915	152	Belt restraint webbing/buckle
buggy	309	90	ATV (all terrain vehicle including dune/
buggy	351	90	ATV (all terrain vehicle including dune/
buick	307	18	Buick
building	209	59	Building
building	355	59	Building
building	507	59	Building
building	519	59	Building
bumper	915	501	Front bumper
burn	846	6	Thermal burns
burn	920	2	B - Burn
burned	845	6	Burned
bus	207	24	Van based school bus (< or = 4,536 kgs G
bus	209	71	Medium/heavy truck or bus not in-transpo
bus	210	24	Van based school bus (< or = 4,536 kgs G
bus	309	24	Van based school bus (< 4,536 kgs GVWR)
bus	327	2	Vehicle used as school bus
bus	328	0	No override/underride, or not an end-ove
bus	329	0	No override/underride, or not end-over-e

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
bus	351	24	Van based school bus (< 4,536 kgs GVWR)
bus	355	71	Medium/heavy truck or bus not in-transpo
bus	507	71	Medium/heavy truck or bus not in-transpo
bus	519	71	Medium/heavy truck or bus not in-transpo
bush	209	43	Shrubbery or bush
bush	355	43	Shrubbery or bush
bush	507	43	Shrubbery or bush
bush	519	43	Shrubbery or bush
cab	208	6	(C) Rear of cab
cab	211	6	(C) Rear of cab
cab	309	40	Cab chassis based (includes rescue vehic
cab	351	40	Cab chassis based (includes rescue vehic
caballero	309	10	Auto based pickup (includes El Camino, C
caballero	351	10	Auto based pickup (includes El Camino, C
cadillac	307	19	Cadillac
calculated	363	9990	Not calculated
calculated	364	9990	Not calculated
camino	309	10	Auto based pickup (includes El Camino, C
camino	351	10	Auto based pickup (includes El Camino, C
camper	309	32	Pickup with slide-in camper
camper	351	32	Pickup with slide-in camper
cap	556	*	FUEL TANK 1 FILLER CAP
cap	557	*	FUEL TANK 2 FILLER CAP
cap	560	4	Cap
cap	561	4	Cap
cap	564	1	Yes, no damage to any tank or filler cap
car	207	9	Unknown passenger car size
car	209	70	Passenger car, light truck, van or other
car	210	9	Unknown passenger car size
car	327	7	Fire truck or car
car	343	*	VIN VEH WEIGHT - CAR
car	344	*	VIN MODEL CARS
car	355	70	Passenger car, light truck, van or other
car	507	70	Passenger car, light truck, van or other
car	519	70	Passenger car, light truck, van or other
caravan	309	20	Minivan (Astro, Caravan, Plymouth Vista,
caravan	351	20	Minivan (Astro, Caravan, Plymouth Vista,
carburetion	335	*	CARBURETION
carburetor	335	2	B - Higher HP, 1 barrel carburetor
cargo	208	4	(B) Back or TDC: back of unit with cargo
cargo	211	4	(B) Back or TDC: back of unit with cargo
cargo	309	11	Auto based panel (cargo station wagon, i
cargo	325	*	VEHICLE CARGO WEIGHT
cargo	351	11	Auto based panel (cargo station wagon, i
cargo	551	5	Cargo/trunk compartment
cargo	856	10	Deformed by cargo
carried	846	3	Object carried by occupant
carry	309	50	School bus (designed to carry students,
carry	351	50	School bus (designed to carry students,
case	102	*	CASE NUMBER
case	202	*	CASE NUMBER
case	302	*	CASE NUMBER
case	502	*	CASE NUMBER
case	602	*	CASE NUMBER
case	702	*	CASE NUMBER
case	802	*	CASE NUMBER

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
case	902	*	CASE NUMBER
cassette	374	8	While adjusting radio, cassette, CD
catastrophic	706	97	Catastrophic
catastrophic	707	97	Catastrophic
catastrophic	708	7	Catastrophic
catastrophic	709	7	Catastrophic
catastrophic	710	97	Catastrophic
catastrophic	711	97	Catastrophic
catastrophic	712	7	Catastrophic
catastrophic	713	7	Catastrophic
catastrophic	714	97	Catastrophic
catastrophic	715	97	Catastrophic
catastrophic	716	7	Catastrophic
catastrophic	717	7	Catastrophic
catastrophic	718	97	Catastrophic
catastrophic	719	97	Catastrophic
catastrophic	720	7	Catastrophic
catastrophic	721	7	Catastrophic
catastrophic	722	97	Catastrophic
catastrophic	723	97	Catastrophic
catastrophic	724	7	Catastrophic
catastrophic	725	7	Catastrophic
catastrophic	726	97	Catastrophic
catastrophic	727	97	Catastrophic
catastrophic	728	7	Catastrophic
catastrophic	729	7	Catastrophic
catastrophic	730	97	Catastrophic
catastrophic	731	97	Catastrophic
catastrophic	732	7	Catastrophic
catastrophic	733	7	Catastrophic
catastrophic	734	97	Catastrophic
catastrophic	735	97	Catastrophic
catastrophic	736	7	Catastrophic
catastrophic	737	7	Catastrophic
catastrophic	738	97	Catastrophic
catastrophic	739	97	Catastrophic
catastrophic	740	7	Catastrophic
catastrophic	741	7	Catastrophic
catastrophic	742	97	Catastrophic
catastrophic	743	97	Catastrophic
catastrophic	744	7	Catastrophic
catastrophic	745	7	Catastrophic
cause	376	8	Other cause of control loss
cause	869	*	CAUSE OF DEATH-1-MED REP
cause	870	*	CAUSE OF DEATH-2-MED REP
cause	871	*	CAUSE OF DEATH-3-MED REP
cb	915	8	Cellular telephone or CB radio
cc	349	996	996 cc
cd	374	8	While adjusting radio, cassette, CD
cdc	328	1	First CDC
cdc	329	1	First CDC
cdc	507	0	No event or CDC applicable
cdc	508	98	Not applicable - no CDC / TDC
cdc	513	98	Not applicable - no CDC / TDC
cdc	514	99	Not applicable or No CDC
cdc	515	99	Not applicable or No CDC

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
cdc	516	99	Not applicable or No CDC
cdc	517	99	Not applicable or No CDC
cdc	519	0	No event or not CDC applicable
cdc	520	98	Not applicable - no CDC / TDC
cdc	525	98	Not applicable - no CDC / TDC
cdc	526	99	Not applicable or No CDC
cdc	527	99	Not applicable or No CDC
cdc	528	99	Not applicable or No CDC
cdc	529	99	Not applicable or No CDC
cdc	841	*	CDC OF AIR BAG DEPLOY
cdc's	546	*	CDC'S DOC/NOT CODED
cds	328	0	No override/underride, or not an end-ove
cds	329	0	No override/underride, or not end-over-e
cellular	374	5	While talking or listening to cellular p
cellular	915	8	Cellular telephone or CB radio
central	910	4	Central
certain	916	1	Certain
cervical	919	14	N - Neck - cervical spine
changing	375	15	Changing lanes
charged	335	26	Z - Unknown super charged
charger	309	15	Large utility (includes Jeep Cherokee, R
charger	351	15	Large utility (includes Jeep Cherokee, R
chassis	309	12	Large limousine - more than four side do
chassis	351	12	Large limousine - more than four side do
cherokee	309	15	Large utility (includes Jeep Cherokee, R
cherokee	351	15	Large utility (includes Jeep Cherokee, R
chest	919	3	C - Chest
chevrolet	307	20	Chevrolet
chevy	309	16	Utility station wagon (Chevy Suburban,GM
chevy	351	16	Utility station wagon (Chevy Suburban,GM
child	821	12	Shoulder belt used with child safety sea
child	830	6	Child safety seat
child	857	*	CHILD SEAT MAKE/MODEL
child	858	*	CHILD SEAT TYPE
child	859	*	CHILD SEAT ORIENTATION
child	860	*	CHILD SEAT HARNESS USE
child	861	*	CHILD SEAT SHIELD USE
child	862	*	CHILD SEAT TETHER USE
child	915	162	Child safety seat
chloride	562	13	Sodium metal chloride battery
chloride	563	13	Sodium metal chloride battery
chrysler	307	6	Chrysler
circumstance	818	3	External circumstance
class	207	*	CLASS OF VEHICLE (1)
class	210	*	CLASS OF VEHICLE (2)
clear	388	18	Clear
climate	374	7	While adjusting climate controls
climb-over	353	4	Climb-over
clinic	865	3	Medical clinic
clinic	908	4	Private physician - walk-in or emergency
clockwise	377	3	Skidding laterally - clockwise rotation
closed	607	1	Door/gate/hatch remained closed and oper
closed	608	1	Door/gate/hatch remained closed and oper
closed	609	1	Door/gate/hatch remained closed and oper
closed	610	1	Door/gate/hatch remained closed and oper
closed	611	1	Door/gate/hatch remained closed and oper

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
closed	641	2	Closed
closed	642	2	Closed
closed	643	2	Closed
closed	644	2	Closed
closed	645	2	Closed
closed	646	2	Closed
closed	647	2	Closed
closed	648	2	Closed
closed	817	2	Closed
cloudy	388	19	Cloudy
cng	562	3	CNG (Compressed Natural Gas)
cng	563	3	CNG (Compressed Natural Gas)
code	335	6	F - Unknown, fuel injection rating code
code	336	*	FUEL CODE
code	348	*	TRUCK WEIGHT CODE
code	396	*	DRIVER'S ZIP CODE
coded	120	9	Not Coded
coded	336	7	G - Gas (ie Ford engine methanol fuel is
coded	367	0	Reconstruction delta V coded
coded	408	99	Unknown, no indication of Delta V coded,
coded	546	*	CDC'S DOC/NOT CODED
coded	921	99	Not Coded
collapse	750	9	Complete steering wheel collapse
collision	118	*	MANNER OF COLLISION
collision	353	7	Collision with another vehicle
collision	360	1	Collision fits model - results appear re
collision	361	4	At least one vehicle is beyond the scope
collision	373	*	POST COLL TREE/POLE COND
collision	376	0	Not applicable/no collision
collision	607	2	Door/gate/hatch came open during collisi
collision	608	2	Door/gate/hatch came open during collisi
collision	609	2	Door/gate/hatch came open during collisi
collision	610	2	Door/gate/hatch came open during collisi
collision	611	2	Door/gate/hatch came open during collisi
column	746	*	STEERING COLUMN TYPE
column	747	*	STEERING COLUMN TILT
column	748	*	STEERING COLUMN TELESCOP
column	852	8	Pedestal (i.e., column supported)
column	915	7	Steering column, transmission, selector
coma	873	*	GLASGOW COMA SCALE SCORE
comanche	309	31	Large pickup (Jeep Pickup, Comanche, Sil
comanche	351	31	Large pickup (Jeep Pickup, Comanche, Sil
combination	606	98	Other combination of above
combination	823	7	Combination of above
combination	829	7	Combination of above
combination	856	7	Combination of above
combination	915	6	Steering wheel (combination of rim, hub/
compact	207	2	Compact (wheelbase => 254 but < 265 cm)
compact	210	2	Compact (wheelbase => 254 but < 265 cm)
compact	309	14	Compact utility (includes Jeep CJ-2 thru
compact	351	14	Compact utility (includes Jeep CJ-2 thru
compartment	551	4	Engine compartment
compartment	606	*	PASS COMPART INTEGRITY
compartment	755	*	GLOVE COMPART DOOR OPEN
compartment	856	6	Deformed by passenger compartment intrus
compartment	915	13	Glove compartment door

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
complete	322	3	Complete inspection
complete	750	9	Complete steering wheel collapse
complete	814	1	Complete ejection
completely	855	11	Moved to completely rearward position
component	363	*	LONG COMPONENT DELTA-V
component	364	*	LAT COMPONENT DELTA-V
component	707	*	INTRUDING COMPONENT (1)
component	711	*	INTRUDING COMPONENT (2)
component	715	*	INTRUDING COMPONENT (3)
component	719	*	INTRUDING COMPONENT (4)
component	723	*	INTRUDING COMPONENT (5)
component	727	*	INTRUDING COMPONENT (6)
component	731	*	INTRUDING COMPONENT (7)
component	735	*	INTRUDING COMPONENT (8)
component	739	*	INTRUDING COMPONENT (9)
component	743	*	INTRUDING COMPONENT (10)
component	915	154	Other restraint system component
compressed	336	14	N - Compressed Natural Gas
compressed	562	3	CNG (Compressed Natural Gas)
compressed	563	3	CNG (Compressed Natural Gas)
concrete	209	54	Concrete traffic barrier
concrete	355	54	Concrete traffic barrier
concrete	385	1	Concrete
concrete	507	54	Concrete traffic barrier
concrete	519	54	Concrete traffic barrier
concussion	920	11	K - Concussion
condition	361	4	At least one vehicle is beyond the scope
condition	373	*	POST COLL TREE/POLE COND
condition	376	5	Poor road conditions (puddle, pothole, i
condition	386	*	ROADWY SURFACE CONDITION
condition	387	*	LIGHT CONDITIONS
condition	388	*	ATMOSPHERIC CONDITIONS
conditioner	915	9	Add-on equipment (e.g., tape deck, air c
confidence	360	*	RECONSTRUCT CONFIDENCE
confidence	916	*	CONFIDENCE LEVEL
consciousness	911	6	Head - LOC (Level of Consciousness)
console	813	5	Sitting on a console
console	915	164	Center console - first row
console-mounted	915	252	Floor or console-mounted transmission le
construction	309	93	Construction equipment other than trucks
construction	351	93	Construction equipment other than trucks
contact	209	*	VEH NUM/OBJ CONTACT(2)
contact	355	*	ROLLOVER INIT OBJ CONTAC
contact	625	*	CONTACT GLAZING DAM - WS
contact	626	*	CONTACT GLAZING DAM - LF
contact	627	*	CONTACT GLAZING DAM - RF
contact	628	*	CONTACT GLAZING DAM - LR
contact	629	*	CONTACT GLAZING DAM - RR
contact	630	*	CONTACT GLAZING DAM - BL
contact	631	*	CONTACT GLAZING DAM - RO
contact	632	*	CONTACT GLAZING DAM - OT
contact	633	0	No glazing contact
contact	634	0	No glazing contact
contact	635	0	No glazing contact
contact	636	0	No glazing contact
contact	637	0	No glazing contact

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
contact	638	0	No glazing contact
contact	639	0	No glazing contact
contact	640	0	No glazing contact
contact	850	3	Contact lenses
contact	915	570	Same occupant contact (specify)
contact	917	1	Direct contact injury
contacted	507	*	OBJECT CONTACTED (1)
contacted	519	*	OBJECT CONTACTED (2)
contacted	625	2	Glazing contacted by occupant but no gla
contacted	626	2	Glazing contacted by occupant but no gla
contacted	627	2	Glazing contacted by occupant but no gla
contacted	628	2	Glazing contacted by occupant but no gla
contacted	629	2	Glazing contacted by occupant but no gla
contacted	630	2	Glazing contacted by occupant but no gla
contacted	631	2	Glazing contacted by occupant but no gla
contacted	632	2	Glazing contacted by occupant but no gla
contacted	849	*	AB CONTACTED BY OTHER OC
control	374	7	While adjusting climate controls
control	376	8	Other cause of control loss
control	389	*	TRAFFIC CONTROL DEVICE
control	390	*	CONTROL DEVICE FUNCTION
control	846	4	Adaptive/assistive controls (specify)
control	915	254	Foot controls (including parking brake)
controlled	335	7	G - 1 barrel, electronically controlled
contusion	920	3	C - Contusion
conventional	309	39	Unknown (pickup style) light conventiona
conventional	351	39	Unknown (pickup style) light conventiona
conversion	517	11	K - Conversion in impact type
conversion	529	11	K - Conversion in impact type
converted	336	3	C - Gasoline engine that can be easily c
convertible	309	1	Convertible (excludes sun roof, t-bar)
convertible	351	1	Convertible (excludes sun roof, t-bar)
convertible	707	13	Roof (or convertible top)
convertible	711	13	Roof (or convertible top)
convertible	715	13	Roof (or convertible top)
convertible	719	13	Roof (or convertible top)
convertible	723	13	Roof (or convertible top)
convertible	727	13	Roof (or convertible top)
convertible	731	13	Roof (or convertible top)
convertible	735	13	Roof (or convertible top)
convertible	739	13	Roof (or convertible top)
convertible	743	13	Roof (or convertible top)
convertible	858	3	Convertible seat
convertible	915	205	Roof or convertible top
conveyance	209	74	Other nonmotorist or conveyance
conveyance	507	74	Other nonmotorist or conveyance
conveyance	519	74	Other nonmotorist or conveyance
cooper	307	65	Cooper
cord	921	3	C - Spinal cord
corner	517	5	E - Corner
corner	529	5	E - Corner
coroner	908	5	Lay coroner report
correctly	843	*	AB FLAPS OPEN CORRECTLY
counterclockwise	377	4	Skidding laterally - counterclockwise ro
country	309	50	School bus (designed to carry students,
country	351	50	School bus (designed to carry students,

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
coupe	309	2	2-door sedan, hardtop, coupe
coupe	351	2	2-door sedan, hardtop, coupe
cover	844	3	Deployed, unknown if air bag module cove
cover	915	175	Air bag compartment cover - driver side
c-pillar	707	8	C-pillar
c-pillar	711	8	C-pillar
c-pillar	715	8	C-pillar
c-pillar	719	8	C-pillar
c-pillar	723	8	C-pillar
c-pillar	727	8	C-pillar
c-pillar	731	8	C-pillar
c-pillar	735	8	C-pillar
c-pillar	739	8	C-pillar
c-pillar	743	8	C-pillar
cracked	373	2	Cracked/sheared
cracked	617	2	Glazing in place and cracked from impact
cracked	618	2	Glazing in place and cracked from impact
cracked	619	2	Glazing in place and cracked from impact
cracked	620	2	Glazing in place and cracked from impact
cracked	621	2	Glazing in place and cracked from impact
cracked	622	2	Glazing in place and cracked from impact
cracked	623	2	Glazing in place and cracked from impact
cracked	624	2	Glazing in place and cracked from impact
cracked	625	3	Glazing in place and cracked by occupant
cracked	626	3	Glazing in place and cracked by occupant
cracked	627	3	Glazing in place and cracked by occupant
cracked	628	3	Glazing in place and cracked by occupant
cracked	629	3	Glazing in place and cracked by occupant
cracked	630	3	Glazing in place and cracked by occupant
cracked	631	3	Glazing in place and cracked by occupant
cracked	632	3	Glazing in place and cracked by occupant
critical	112	5	Critical injury
critical	375	17	Successful avoidance maneuver to a previ
critical	376	*	CRITICAL PRECRASH EVENT
critical	403	5	Critical injury
critical	877	5	Critical injury
critical	914	5	Critical injury
cross	309	50	School bus (designed to carry students,
cross	351	50	School bus (designed to carry students,
crossing	376	17	Crossing over (passing through) intersec
crossing	389	1	Traffic control signal (not RR crossing)
crossover	376	55	In crossover
crosswinds	388	16	Severe Crosswinds
crush	709	*	CRUSH DIRECTION (1)
crush	713	*	CRUSH DIRECTION (2)
crush	717	*	CRUSH DIRECTION (3)
crush	721	*	CRUSH DIRECTION (4)
crush	725	*	CRUSH DIRECTION (5)
crush	729	*	CRUSH DIRECTION (6)
crush	733	*	CRUSH DIRECTION (7)
crush	737	*	CRUSH DIRECTION (8)
crush	741	*	CRUSH DIRECTION (9)
crush	745	*	CRUSH DIRECTION (10)
crush	920	14	N - Crush
culvert	209	60	Ditch or culvert
culvert	355	60	Ditch or culvert

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
culvert	507	60	Ditch or culvert
culvert	519	60	Ditch or culvert
curb	209	63	Curb
curb	324	*	VEHICLE CURB WEIGHT
curb	355	63	Curb
curb	507	63	Curb
curb	519	63	Curb
curve	375	14	Negotiating a curve
curve	383	2	Curve right
cushion	707	25	Seat cushion
cushion	711	25	Seat cushion
cushion	715	25	Seat cushion
cushion	719	25	Seat cushion
cushion	723	25	Seat cushion
cushion	727	25	Seat cushion
cushion	731	25	Seat cushion
cushion	735	25	Seat cushion
cushion	739	25	Seat cushion
cushion	743	25	Seat cushion
cushion	852	4	Bench with separate back cushions
cut	845	3	Cut
cutoff	401	21	U - Dual front air bag / active belts w/
cycle	207	80	Motored cycle
cycle	209	73	Cyclist or cycle
cycle	210	80	Motored cycle
cycle	307	79	Other motored cycle
cycle	309	88	Other motored cycle type (minibike, moto
cycle	351	88	Other motored cycle type (minibike, moto
cycle	507	73	Cyclist or cycle
cycle	519	73	Cyclist or cycle
cyclist	209	73	Cyclist or cycle
cyclist	507	73	Cyclist or cycle
cyclist	519	73	Cyclist or cycle
daewoo	307	64	Daewoo
daihatsu	307	60	Daihatsu
dakota	309	30	Compact pickup (Ram 50, Dakota, Arrow Pi
dakota	351	30	Compact pickup (Ram 50, Dakota, Arrow Pi
damage	208	*	GEN AREA OF DAMAGE (1)
damage	209	35	Other intraunit damage
damage	211	*	GEN AREA OF DAMAGE (2)
damage	322	1	Vehicle fully repaired - no damage evide
damage	323	0	Not towed due to vehicle damage
damage	361	1	Reconstruction program - damage only rou
damage	503	0	Filler - No damage record for this vehic
damage	507	35	Other intraunit damage
damage	519	35	Other intraunit damage
damage	547	0	Not towed due to vehicle damage
damage	558	*	FUEL TANK 1 DAMAGE
damage	559	*	FUEL TANK 2 DAMAGE
damage	564	1	Yes, no damage to any tank or filler cap
damage	566	*	DIRECT DAMAGE WIDTH
damage	603	0	Filler - No damage record for this vehic
damage	612	*	DOOR/GATE/HATCH DAM - LF
damage	613	*	DOOR/GATE/HATCH DAM - RF
damage	614	*	DOOR/GATE/HATCH DAM - LR
damage	615	*	DOOR/GATE/HATCH DAM - RR

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
damage	616	*	DOOR/GATE/HATCH DAM - TG
damage	617	*	IMPACT GLAZING DAM - WS
damage	618	*	IMPACT GLAZING DAM - LF
damage	619	*	IMPACT GLAZING DAM - RF
damage	620	*	IMPACT GLAZING DAM - LR
damage	621	*	IMPACT GLAZING DAM - RR
damage	622	*	IMPACT GLAZING DAM - BL
damage	623	*	IMPACT GLAZING DAM - RO
damage	624	*	IMPACT GLAZING DAM - OTH
damage	625	*	CONTACT GLAZING DAM - WS
damage	626	*	CONTACT GLAZING DAM - LF
damage	627	*	CONTACT GLAZING DAM - RF
damage	628	*	CONTACT GLAZING DAM - LR
damage	629	*	CONTACT GLAZING DAM - RR
damage	630	*	CONTACT GLAZING DAM - BL
damage	631	*	CONTACT GLAZING DAM - RO
damage	632	*	CONTACT GLAZING DAM - OT
damage	703	0	Filler - No damage record for this vehic
damage	752	*	INSTRUMENT PANEL DAMAGE
damage	845	88	Other damage (specify)
damage	846	*	AB DAMAGE SOURCE
damage	851	*	HEAD RESTRAINT TYPE/DAM
damaged	373	1	Not damaged
damaged	617	9	Unknown if damaged/No record
damaged	618	9	Unknown if damaged/No record
damaged	619	9	Unknown if damaged/No record
damaged	620	9	Unknown if damaged/No record
damaged	621	9	Unknown if damaged/No record
damaged	622	9	Unknown if damaged/No record
damaged	623	9	Unknown if damaged/No record
damaged	624	9	Unknown if damaged/No record
damaged	844	*	AB FLAPS DAMAGED
damaged	845	*	AB DAMAGED
damaged	846	1	Not damaged
damaged	851	2	Integral - damaged during accident
dark	387	2	Dark
datsun	307	35	Nissan/Datsun
dawn	387	4	Dawn
day	108	*	ACCIDENT DAY OF WEEK
day	866	61	61 days or more
day	867	*	WORKING DAYS LOST
day	868	60	From 29 1/2 to 30 days after the acciden
daylight	340	*	DAYLIGHT RUNNING LIGHTS
daylight	387	1	Daylight
deactivation	401	21	U - Dual front air bag / active belts w/
death	868	*	TIME TO DEATH
death	869	96	Mode of death given but specific injurie
death	870	96	Mode of death given but specific injurie
death	871	96	Mode of death given but specific injurie
decelerating	375	2	Decelerating in traffic lane
decelerating	376	18	This vehicle decelerating
december	106	12	December
deck	915	9	Add-on equipment (e.g., tape deck, air c
deform	514	*	DEFORM LOC (1) - NUMERIC
deform	526	*	DEFORM LOC (2) - NUMERIC
deformation	509	*	DEFORMATION LOCATION (1)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
deformation	513	*	DEFORMATION EXTENT (1)
deformation	517	21	U - No residual deformation
deformation	521	*	DEFORMATION LOCATION (2)
deformation	525	*	DEFORMATION EXTENT (2)
deformation	529	21	U - No residual deformation
deformation	749	*	RIM/SPOKE DEFORMATION
deformation	750	*	RIM/SPOKE DEF LOCATION
deformed	558	2	Deformed, no seam failure
deformed	559	2	Deformed, no seam failure
deformed	754	*	KNEE BOLSTERS DEFORMED
deformed	856	5	Deformed by occupant impact
degree	373	3	Tilted < 45 degrees
degree	377	2	Skidding longitudinally - rotation less
degree	568	*	PDOF1-CLOCK DEGREES
degree	569	*	PDOF2-CLOCK DEGREES
degree	814	3	Ejection, unknown degree
delta	367	*	EST HIGHEST DELTA V
delta	373	0	Not collision (for highest delta V) with
delta	408	*	DELTA V EVENT NUMBER
delta	841	1	Highest delta V
delta	842	*	AB ASSOC LONG DELTA V
delta-v	361	*	BASIS FOR TOTAL DELTA-V
delta-v	362	*	TOTAL DELTA-V
delta-v	363	*	LONG COMPONENT DELTA-V
delta-v	364	*	LAT COMPONENT DELTA-V
delta-v	530	*	HIGHEST DELTA-V - "L"
delta-v	531	*	HIGHEST DELTA-V - "C1"
delta-v	532	*	HIGHEST DELTA-V - "C2"
delta-v	533	*	HIGHEST DELTA-V - "C3"
delta-v	534	*	HIGHEST DELTA-V - "C4"
delta-v	535	*	HIGHEST DELTA-V - "C5"
delta-v	536	*	HIGHEST DELTA-V - "C6"
delta-v	537	*	HIGHEST DELTA-V - "D"
delta-v	538	*	SECOND DELTA-V - "L"
delta-v	539	*	SECOND DELTA-V - "C1"
delta-v	540	*	SECOND DELTA-V - "C2"
delta-v	541	*	SECOND DELTA-V - "C3"
delta-v	542	*	SECOND DELTA-V - "C4"
delta-v	543	*	SECOND DELTA-V - "C5"
delta-v	544	*	SECOND DELTA-V - "C6"
delta-v	545	*	SECOND DELTA-V - "D"
delta-v	841	3	Other noncoded delta-V (specify)
departed	378	4	Departed roadway
departure	376	14	End departure
deploy	399	*	AIR BAG DEPLOY 1ST SEAT
deploy	400	*	AIR BAG DEPLOY OTH SEAT
deploy	835	*	AIR BAG DEPLOY/OTHER
deploy	837	*	AB DEPLOY/PREVIOUS ACC
deploy	841	*	CDC OF AIR BAG DEPLOY
deployed	831	2	Deployed
deployed	833	1	Air bag deployed during accident (as a r
deployed	835	1	Air bag deployed during accident (as a r
deployed	840	96	Deployed, unknown event
deployed	841	6	Deployed, unknown event
deployed	842	9970	Not deployed
deployed	843	3	Deployed, unknown if flap(s) opened at d

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
deployed	844	3	Deployed, unknown if air bag module cove
deployed	845	96	Deployed, unknown if damaged
deployed	846	96	Deployed, unknown if damaged
deployed	850	4	Deployed, unknown if eyewear worn
deployment	833	*	AIR BAG DEPLOYMENT
deployment	837	2	Previous accident(s) without deployment(
deployment	842	9960	Deployment, unknown longitudinal delta V
derivative	309	13	Three-wheel automobile or automobile der
derivative	351	13	Three-wheel automobile or automobile der
designated	843	3	Deployed, unknown if flap(s) opened at d
designed	309	50	School bus (designed to carry students,
designed	351	50	School bus (designed to carry students,
destroyed	820	1	Belt removed/destroyed
destroyed	821	0	None used, not available, or belt remove
destroyed	825	4	Automatic belts destroyed or rendered in
destroyed	826	0	Not equipped/not available/destroyed or
destroyed	876	0	Not equipped/not available/destroyed or
detachment	920	7	G - Detachment, separation
determination	876	*	BELT USE DETERMINATION
determine	401	14	N - If unable to determine
device	374	9	While using other device/controls integr
device	389	*	TRAFFIC CONTROL DEVICE
device	390	*	CONTROL DEVICE FUNCTION
device	915	402	Steering control devices (attached to OE
dialing	374	6	While dialing cellular phone (specify lo
diamond	307	81	Diamond Reo, Reo
died	863	6	Died prior to accident
diesel	336	4	D - Diesel
diesel	562	2	Diesel
diesel	563	2	Diesel
digestive	921	4	D - Digestive
direct	566	*	DIRECT DAMAGE WIDTH
direct	917	*	DIRECT/INDIRECT INJURY
direction	118	5	Sideswipe, same direction
direction	357	*	DIRECTION OF INITIAL ROL
direction	376	19	Unknown travel direction
direction	508	*	DIRECTION OF FORCE (1)
direction	520	*	DIRECTION OF FORCE (2)
direction	709	*	CRUSH DIRECTION (1)
direction	713	*	CRUSH DIRECTION (2)
direction	717	*	CRUSH DIRECTION (3)
direction	721	*	CRUSH DIRECTION (4)
direction	725	*	CRUSH DIRECTION (5)
direction	729	*	CRUSH DIRECTION (6)
direction	733	*	CRUSH DIRECTION (7)
direction	737	*	CRUSH DIRECTION (8)
direction	741	*	CRUSH DIRECTION (9)
direction	745	*	CRUSH DIRECTION (10)
dirt	385	5	Dirt
dirt	386	5	Sand, dirt or oil
disabled	375	7	Disabled or parked in travel lane
disabling	376	3	Disabling vehicle failure (e.g. wheel fe
discharge	908	2	Hospital/medical records other than emer
disconnected	209	78	Trailer, disconnected in transport
disconnected	355	78	Trailer, disconnected in transport
disconnected	507	78	Trailer, disconnected in transport

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
disconnected	519	78	Trailer, disconnected in transport
disconnected	826	2	Automatic belt not in use (manually disc
disconnected	832	2	Air bag disconnected
disconnected	834	2	Air bag disconnected (specify)
disease	111	2	Fatal - ruled disease
disease	402	2	Fatal - ruled disease
disease	864	2	Fatal - ruled disease
disease	868	96	Fatal - ruled disease
disease	869	97	Other result (includes fatal ruled disea
disease	870	97	Other result (includes fatal ruled disea
disease	871	97	Other result (includes fatal ruled disea
disintegrated	617	6	Glazing disintegrated from impact forces
disintegrated	618	6	Glazing disintegrated from impact forces
disintegrated	619	6	Glazing disintegrated from impact forces
disintegrated	620	6	Glazing disintegrated from impact forces
disintegrated	621	6	Glazing disintegrated from impact forces
disintegrated	622	6	Glazing disintegrated from impact forces
disintegrated	623	6	Glazing disintegrated from impact forces
disintegrated	624	6	Glazing disintegrated from impact forces
disintegrated	625	8	Glazing disintegrated by occupant contac
disintegrated	626	8	Glazing disintegrated by occupant contac
disintegrated	627	8	Glazing disintegrated by occupant contac
disintegrated	628	8	Glazing disintegrated by occupant contac
disintegrated	629	8	Glazing disintegrated by occupant contac
disintegrated	630	8	Glazing disintegrated by occupant contac
disintegrated	631	8	Glazing disintegrated by occupant contac
disintegrated	632	8	Glazing disintegrated by occupant contac
dislocation	920	4	D - Dislocation
displace	349	*	MTRCYCLE ENGINE DISPLACE
disposition	323	*	VEHICLE DISPOSITION
disposition	547	*	VEHICLE DISPOSITION
distracted	374	1	Attentive or not distracted
distraction	374	*	DISTRACTION TO DRIVING
distribution	512	*	TYPE OF DISTRIB (1)
distribution	517	*	TYPE OF DISTRIB (1)-NUM
distribution	524	*	TYPE OF DISTRIB (2)
distribution	529	*	TYPE OF DISTRIB (2)-NUM
ditch	209	60	Ditch or culvert
ditch	355	60	Ditch or culvert
ditch	507	60	Ditch or culvert
ditch	519	60	Ditch or culvert
divided	354	4	On roadside or divided trafficway median
divided	381	0	Not physically divided (two way trafficw
doc	372	*	TRAJECTORY DATA DOC
doc	546	*	CDC'S DOC/NOT CODED
documented	918	0	No intrusion or injury not associated wi
dodge	307	7	Dodge
domestic	307	29	Other domestic
door	309	7	Hatchback, number of doors unknown
door	351	7	Hatchback, number of doors unknown
door	606	2	Door (side)
door	607	*	DOOR/GATE/HATCH OPN - LF
door	608	*	DOOR/GATE/HATCH OPN - RF
door	609	*	DOOR/GATE/HATCH OPN - LR
door	610	*	DOOR/GATE/HATCH OPN - RR
door	611	*	DOOR/GATE/HATCH OPN - TG

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
door	612	*	DOOR/GATE/HATCH DAM - LF
door	613	*	DOOR/GATE/HATCH DAM - RF
door	614	*	DOOR/GATE/HATCH DAM - LR
door	615	*	DOOR/GATE/HATCH DAM - RR
door	616	*	DOOR/GATE/HATCH DAM - TG
door	707	11	Door panel (side)
door	711	11	Door panel (side)
door	715	11	Door panel (side)
door	719	11	Door panel (side)
door	723	11	Door panel (side)
door	727	11	Door panel (side)
door	731	11	Door panel (side)
door	735	11	Door panel (side)
door	739	11	Door panel (side)
door	743	11	Door panel (side)
door	755	*	GLOVE COMPART DOOR OPEN
door	816	1	Door/hatch/tailgate
door	818	2	Could not exit vehicle due to jammed doo
door	915	13	Glove compartment door
down	747	4	Between center and full down
down	824	4	In full down position
down	915	167	Fold down armrest - first row
downhill	384	4	Downhill grade (> 2%)
d-pillar	707	9	D-pillar
d-pillar	711	9	D-pillar
d-pillar	715	9	D-pillar
d-pillar	719	9	D-pillar
d-pillar	723	9	D-pillar
d-pillar	727	9	D-pillar
d-pillar	731	9	D-pillar
d-pillar	735	9	D-pillar
d-pillar	739	9	D-pillar
d-pillar	743	9	D-pillar
drinking	374	13	Eating or drinking
drive	331	*	FOUR WHEEL DRIVE
drive	332	*	FRONT WHEEL DRIVE
drive	333	*	FRONT/REAR WHEEL DRIVE
drive	334	*	# WHEELS/# DRIVE WHEELS
driver	371	99	Unknown or no driver present
driver	374	0	No driver present
driver	375	0	No driver present
driver	377	0	No driver present
driver	378	0	No driver present
driver	379	0	No driver present
driver	391	*	DRIVER PRESENCE
driver	392	8	No driver present
driver	393	98	No driver present
driver	394	8	No driver present
driver	395	8	No driver present
driver	396	0	Driver not present
driver	397	0	Driver not present
driver	398	0	Driver not present
driver	401	2	B - Driver front air bag / passenger sid
driver	805	0	No Driver Record for this vehicle
driver	811	1	Driver
driver	876	3	Driver/occupant interview

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
driver	915	170	Air bag - driver side
driver'	396	*	DRIVER'S ZIP CODE
driver'	397	*	DRIVER'S RACE
driver'	398	*	DRIVER'S ETHNICITY C
driver'	812	11	Front seat - left side (driver's side)
driver-side	401	24	X - Dual air bags front / side air bag,
driveway	376	70	From driveway - turning into same direct
driveway	380	3	Driveway, alley access related
driving	374	*	DISTRACTION TO DRIVING
driving	756	0	No adaptive driving equipment
drug	120	*	DRUG INVOLVEMENT
drug	394	*	OTHER DRUG PRESENCE
drug	395	*	OTH DRUG - SPECIMEN TEST
dry	386	1	Dry
dual	401	3	C - Dual front air bags / belt system un
ducati	307	71	Ducati
dump	309	40	Cab chassis based (includes rescue vehic
dump	351	40	Cab chassis based (includes rescue vehic
dune	309	90	ATV (all terrain vehicle including dune/
dune	351	90	ATV (all terrain vehicle including dune/
dusk	387	5	Dusk
eagle	307	10	Eagle
ear	921	5	E - Ears
easily	336	3	C - Gasoline engine that can be easily c
eating	374	13	Eating or drinking
econoline	309	21	Large van (Sportsman, Royal, Ram, Chevy
econoline	351	21	Large van (Sportsman, Royal, Ram, Chevy
edge	376	12	Off the edge of the road on the left sid
edge	915	502	Hood edge
effort	915	404	Low effort power steering (unit or devic
efforts	846	7	Rescue or emergency efforts
ejected	819	5	Occupant fully ejected
ejection	814	*	EJECTION
ejection	815	*	EJECTION AREA
ejection	816	*	EJECTION MEDIUM
ejection	817	0	No ejection
elbow	919	5	E - Elbow
electric	336	2	B - Electric and gasoline hybrid engine
electric	552	0	No fuel tank (electric vehicle)
electric	553	0	No fuel tank (electric vehicle)
electrical	833	4	Air bag deployed as a result of a noncol
electrical	835	4	Air bag deployed as a result of a noncol
electronically	335	7	G - 1 barrel, electronically controlled
embankment	209	44	Embankment
embankment	355	44	Embankment
embankment	507	44	Embankment
embankment	519	44	Embankment
emergency	846	7	Rescue or emergency efforts
emergency	908	2	Hospital/medical records other than emer
emission	560	6	Vent/emission recovery
emission	561	6	Vent/emission recovery
enclosed	706	98	Other enclosed area
enclosed	710	98	Other enclosed area
enclosed	714	98	Other enclosed area
enclosed	718	98	Other enclosed area
enclosed	722	98	Other enclosed area

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
enclosed	726	98	Other enclosed area
enclosed	730	98	Other enclosed area
enclosed	734	98	Other enclosed area
enclosed	738	98	Other enclosed area
enclosed	742	98	Other enclosed area
encroachment	376	78	Encroachment by other vehicle - details
endocrine	921	20	T - Thyroid, other endocrine gland
end-over-end	209	31	Overturn - rollover (excludes end-over-e
end-over-end	328	0	No override/underride, or not an end-ove
end-over-end	329	0	No override/underride, or not end-over-e
end-over-end	352	98	Rollover - end-over-end
end-over-end	353	98	Rollover - end-over-end
end-over-end	354	8	Rollover -- end-over-end
end-over-end	355	32	No rollover impact initiation (end-over-
end-over-end	356	8	Rollover -- end-over-end
end-over-end	357	8	Rollover -- end-over-end (i.e., primaril
end-over-end	507	31	Overturn - rollover (excludes end-over-e
end-over-end	519	31	Overturn - rollover (excludes end-over-e
energy	365	*	ENERGY ABSORPTION
engine	336	2	B - Electric and gasoline hybrid engine
engine	349	*	MTRCYCLE ENGINE DISPLACE
engine	376	2	Stalled engine
engine	551	4	Engine compartment
engine	915	574	Engine shroud/cover
entered	378	7	Entered roadway
entering	375	9	Entering a parked position
entrance	376	74	From entrance to limited access highway
entrapment	818	*	ENTRAPMENT
entrapped	818	0	Not entrapped/exit not inhibited
environment	707	32	Other exterior object in the environment
environment	711	32	Other exterior object in the environment
environment	715	32	Other exterior object in the environment
environment	719	32	Other exterior object in the environment
environment	723	32	Other exterior object in the environment
environment	727	32	Other exterior object in the environment
environment	731	32	Other exterior object in the environment
environment	735	32	Other exterior object in the environment
environment	739	32	Other exterior object in the environment
environment	743	32	Other exterior object in the environment
equipment	309	92	Farm equipment other than trucks
equipment	351	92	Farm equipment
equipment	756	0	No adaptive driving equipment
equipment	915	9	Add-on equipment (e.g., tape deck, air c
equivalent	366	*	BARRIER EQUIVALENT SPEED
estimate	367	*	EST HIGHEST DELTA V
ethanol	336	8	H - Ethanol fuel only
ethanol	562	7	Ethanol (E100 or E85)
ethanol	563	7	Ethanol (E100 or E85)
ethnicity	398	*	DRIVER'S ETHNICITY C
event	110	*	NUM EVENTS RECORDED
event	203	2	Event record
event	205	*	EVENT SEQUENCE NUMBER
event	209	98	Other event
event	355	98	Other event
event	374	12	Distracted by outside person, object, or
event	375	17	Successful avoidance maneuver to a previ

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
event	376	*	CRITICAL PRECRASH EVENT
event	408	*	DELTA V EVENT NUMBER
event	506	0	No event
event	507	0	No event or CDC applicable
event	513	0	No event
event	518	0	No event
event	519	0	No event or not CDC applicable
event	525	0	No event
event	833	4	Air bag deployed as a result of a noncol
event	835	4	Air bag deployed as a result of a noncol
event	840	*	AIR BAG EVENT NUMBER
event	841	6	Deployed, unknown event
evident	322	1	Vehicle fully repaired - no damage evide
exhaust	551	2	Exhaust system
exhaust	915	604	Air bag exhaust gases
exit	818	0	Not entrapped/exit not inhibited
exited	819	3	Exited from vehicle with some assistance
explosion	209	33	Fire or explosion
explosion	507	33	Fire or explosion
explosion	519	33	Fire or explosion
explosion	833	4	Air bag deployed as a result of a noncol
explosion	835	4	Air bag deployed as a result of a noncol
extent	513	*	DEFORMATION EXTENT (1)
extent	525	*	DEFORMATION EXTENT (2)
exterior	503	6	Exterior Damage record
exterior	551	1	Vehicle exterior (front, side, back, top
exterior	707	32	Other exterior object in the environment
exterior	711	32	Other exterior object in the environment
exterior	715	32	Other exterior object in the environment
exterior	719	32	Other exterior object in the environment
exterior	723	32	Other exterior object in the environment
exterior	727	32	Other exterior object in the environment
exterior	731	32	Other exterior object in the environment
exterior	735	32	Other exterior object in the environment
exterior	739	32	Other exterior object in the environment
exterior	743	32	Other exterior object in the environment
exterior	915	17	Windshield reinforced by exterior object
external	818	3	External circumstance
external	908	17	Autopsy - External Only
extremity	909	7	Upper Extremity
eye	921	15	O - Eye
eyeglasses	850	2	Eyeglasses/sunglasses
eyewear	850	*	EYEWEAR WORN
eyewear	915	171	Air bag - driver side and eyewear
face	909	2	Face
face	919	6	F - Face
facility	111	8	Transported to a medical facility - unkn
facility	864	8	Transported to a medical facility - unkn
facility	865	*	TYPE OF MEDICAL FACILITY
facility	873	1	Injured - not treated at medical facilit
facing	853	1	Forward facing seat
facing	859	1	Rear facing
factor	116	*	RATIO INFLATION FACTOR
factor	117	*	RATIO INFLATION FACTOR U
failed	856	2	Seat adjusters failed
failure	376	3	Disabling vehicle failure (e.g. wheel fe

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
failure	558	2	Deformed, no seam failure
failure	559	2	Deformed, no seam failure
failure	612	2	Latch/striker failure due to damage
failure	613	2	Latch/striker failure due to damage
failure	614	2	Latch/striker failure due to damage
failure	615	2	Latch/striker failure due to damage
failure	616	2	Latch/striker failure due to damage
failure	823	*	MANUAL BELT FAILURE
failure	829	*	AUTO BELT FAILURE MODES
failure	836	*	AIR BAG SYSTEM FAILURE
failure	856	1	No seat performance failure(s)
fall-over	353	5	Fall-over
fall-over	355	31	Turn-over - fall-over
farm	309	92	Farm equipment other than trucks
farm	351	92	Farm equipment
fast	376	6	Traveling too fast for conditions
fatal	111	1	Fatal
fatal	402	1	Fatal
fatal	819	0	Occupant fatal before removed from vehic
fatal	863	4	K - fatal injury
fatal	864	1	Fatal
fatal	868	0	Not fatal
fatal	869	0	Not fatal or no additional causes
fatal	870	0	Not fatal or no additional causes
fatal	871	0	Not fatal or no additional causes
fatally	867	62	Fatally injured
february	106	2	February
feet	813	7	Bracing with feet or hands on a surface
fell	209	79	Object fell from vehicle in transport
fell	355	79	Object fell from vehicle in-transport
fell	374	11	Sleepy or fell asleep
fell	376	3	Disabling vehicle failure (e.g. wheel fe
fell	507	79	Object fell from vehicle in transport
fell	519	79	Object fell from vehicle in transport
female	808	2	Female - not reported pregnant
fence	209	57	Fence
fence	355	57	Fence
fence	507	57	Fence
fence	519	57	Fence
fiat	307	36	Fiat
filter	560	5	Lines/pump/filter
filter	561	5	Lines/pump/filter
fire	209	33	Fire or explosion
fire	327	7	Fire truck or car
fire	355	62	Fire hydrant
fire	507	33	Fire or explosion
fire	519	33	Fire or explosion
fire	550	*	FIRE OCCURRENCE
fire	551	*	ORIGIN OF FIRE
fire	818	2	Could not exit vehicle due to jammed doo
fire	833	4	Air bag deployed as a result of a noncol
fire	835	4	Air bag deployed as a result of a noncol
fire	846	5	Fire in vehicle
fire	915	601	Fire in vehicle
fixed	209	68	Other fixed object
fixed	355	68	Other fixed object

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
fixed	507	68	Other fixed object
fixed	519	68	Other fixed object
fixed	641	1	Fixed
fixed	642	1	Fixed
fixed	643	1	Fixed
fixed	644	1	Fixed
fixed	645	1	Fixed
fixed	646	1	Fixed
fixed	647	1	Fixed
fixed	648	1	Fixed
fixed	746	1	Fixed column
fixed	816	3	Fixed glazing
flap	843	*	AB FLAPS OPEN CORRECTLY
flap	844	*	AB FLAPS DAMAGED
flat	376	1	Blow out or flat tire
flew	376	4	Nondisabling vehicle problem (e.g. hood
flexible	336	6	F - Flexible fuel
flexplastic	633	15	AS-6 - FlexPlastic
flexplastic	634	15	AS-6 - FlexPlastic
flexplastic	635	15	AS-6 - FlexPlastic
flexplastic	636	15	AS-6 - FlexPlastic
flexplastic	637	15	AS-6 - FlexPlastic
flexplastic	638	15	AS-6 - FlexPlastic
flexplastic	639	15	AS-6 - FlexPlastic
flexplastic	640	15	AS-6 - FlexPlastic
flip-over	353	2	Flip-over
floor	707	18	Floor pan (includes sill)
floor	711	18	Floor pan (includes sill)
floor	715	18	Floor pan (includes sill)
floor	719	18	Floor pan (includes sill)
floor	723	18	Floor pan (includes sill)
floor	727	18	Floor pan (includes sill)
floor	731	18	Floor pan (includes sill)
floor	735	18	Floor pan (includes sill)
floor	739	18	Floor pan (includes sill)
floor	743	18	Floor pan (includes sill)
floor	915	251	Floor including toe pan
flow	381	*	TRAFFICWAY FLOW
flying	915	602	Flying glass
fog-smog-smoke	388	11	Fog-Smog-Smoke
fold	915	167	Fold down armrest - first row
folding	852	2	Bucket with folding back
folding	856	3	Seat back folding locks or "seat back" f
following	564	3	Yes, damage to additional tank or filler
foot	915	254	Foot controls (including parking brake)
foot	919	17	Q - Ankle - foot
force	356	*	PRIN TRIP FORCE APPLIED
force	508	*	DIRECTION OF FORCE (1)
force	520	*	DIRECTION OF FORCE (2)
ford	307	12	Ford
ford	336	7	G - Gas (ie Ford engine methanol fuel is
forearm	919	18	R - Forearm
foreign	307	69	Other foreign
form	105	*	NUM GEN VEH FORMS SUBMIT
form	407	*	NUMBER OCCUPANT FORMS
found	395	1	Drug(s) not found in specimen

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
fourteen	352	14	Rollover - fourteen quarter turns
fracture	920	6	F - Fracture
frame	707	17	Window frame
frame	711	17	Window frame
frame	715	17	Window frame
frame	719	17	Window frame
frame	723	17	Window frame
frame	727	17	Window frame
frame	731	17	Window frame
frame	735	17	Window frame
frame	739	17	Window frame
frame	743	17	Window frame
frame	915	57	Left side window frame
freightliner	307	82	Freightliner/White Freightliner/White
friday	108	6	Friday
front	208	1	(F) Front
front	211	1	(F) Front
front	328	*	FRONT OVERRIDE/UNDERRIDE
front	332	*	FRONT WHEEL DRIVE
front	333	*	FRONT/REAR WHEEL DRIVE
front	401	2	B - Driver front air bag / passenger sid
front	514	6	F - Front
front	526	6	F - Front
front	551	1	Vehicle exterior (front, side, back, top
front	706	11	Front row - left
front	707	20	Front seat back
front	710	11	Front row - left
front	711	20	Front seat back
front	714	11	Front row - left
front	715	20	Front seat back
front	718	11	Front row - left
front	719	20	Front seat back
front	722	11	Front row - left
front	723	20	Front seat back
front	726	11	Front row - left
front	727	20	Front seat back
front	730	11	Front row - left
front	731	20	Front seat back
front	734	11	Front row - left
front	735	20	Front seat back
front	738	11	Front row - left
front	739	20	Front seat back
front	742	11	Front row - left
front	743	20	Front seat back
front	812	11	Front seat - left side (driver's side)
front	813	3	Kneeling, standing or sitting in front o
front	815	2	Left front
front	915	15	Windshield +: front header,A-pillar (A1/
fuel	335	6	F - Unknown, fuel injection rating code
fuel	336	*	FUEL CODE
fuel	551	3	Fuel tank (and other fuel retention syst
fuel	552	*	TYPE OF FUEL TANK 1
fuel	553	*	TYPE OF FUEL TANK 2
fuel	554	*	FUEL TANK 1 LOCATION
fuel	555	*	FUEL TANK 2 LOCATION
fuel	556	*	FUEL TANK 1 FILLER CAP

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
fuel	557	*	FUEL TANK 2 FILLER CAP
fuel	558	*	FUEL TANK 1 DAMAGE
fuel	559	*	FUEL TANK 2 DAMAGE
fuel	560	*	LOCATION OF FUEL 1 LEAK
fuel	561	*	LOCATION OF FUEL 2 LEAK
fuel	562	*	FUEL TYPE 1
fuel	563	*	FUEL TYPE 2
fuel	564	*	MORE THAN 2 FUEL TANKS
full	207	4	Full size (wheelbase => 278 but < 291 cm
full	210	4	Full size (wheelbase => 278 but < 291 cm
full	747	1	Full up
full	748	1	Full back
full	824	2	In full upright position
fullsize	309	15	Large utility (includes Jeep Cherokee, R
fullsize	351	15	Large utility (includes Jeep Cherokee, R
fun	831	*	AIR BAG AVAIL/FUN POLICE
function	390	*	CONTROL DEVICE FUNCTION
function	831	1	Police did not indicate air bag availabi
function	832	*	AIR BAG AVAIL/FUNCTION
functioning	390	1	Traffic control device not functioning
funeral	327	8	Other (i.e. funeral hearse)
fwd	307	83	FWD
gas	336	3	C - Gasoline engine that can be easily c
gas	562	3	CNG (Compressed Natural Gas)
gas	563	3	CNG (Compressed Natural Gas)
gaseous	336	3	C - Gasoline engine that can be easily c
gases	875	*	ARTERIAL BLOOD GASES
gases	915	604	Air bag exhaust gases
gasoline	336	2	B - Electric and gasoline hybrid engine
gasoline	562	1	Gasoline
gasoline	563	1	Gasoline
gate	607	*	DOOR/GATE/HATCH OPN - LF
gate	608	*	DOOR/GATE/HATCH OPN - RF
gate	609	*	DOOR/GATE/HATCH OPN - LR
gate	610	*	DOOR/GATE/HATCH OPN - RR
gate	611	*	DOOR/GATE/HATCH OPN - TG
gate	612	*	DOOR/GATE/HATCH DAM - LF
gate	613	*	DOOR/GATE/HATCH DAM - RF
gate	614	*	DOOR/GATE/HATCH DAM - LR
gate	615	*	DOOR/GATE/HATCH DAM - RR
gate	616	*	DOOR/GATE/HATCH DAM - TG
gcs	873	2	No GCS score at medical facility
general	105	*	NUM GEN VEH FORMS SUBMIT
general	208	*	GEN AREA OF DAMAGE (1)
general	211	*	GEN AREA OF DAMAGE (2)
general	303	3	General Vehicle record
general	307	3	AM General
gland	921	20	T - Thyroid, other endocrine gland
glasgow	873	*	GLASGOW COMA SCALE SCORE
glass	606	5	Roof glass
glass	633	6	AS-14 - Glass/plastic
glass	634	6	AS-14 - Glass/plastic
glass	635	6	AS-14 - Glass/plastic
glass	636	6	AS-14 - Glass/plastic
glass	637	6	AS-14 - Glass/plastic
glass	638	6	AS-14 - Glass/plastic

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
glass	639	6	AS-14 - Glass/plastic
glass	640	6	AS-14 - Glass/plastic
glass	915	56	Left side window glass
glazing	617	*	IMPACT GLAZING DAM - WS
glazing	618	*	IMPACT GLAZING DAM - LF
glazing	619	*	IMPACT GLAZING DAM - RF
glazing	620	*	IMPACT GLAZING DAM - LR
glazing	621	*	IMPACT GLAZING DAM - RR
glazing	622	*	IMPACT GLAZING DAM - BL
glazing	623	*	IMPACT GLAZING DAM - RO
glazing	624	*	IMPACT GLAZING DAM - OTH
glazing	625	*	CONTACT GLAZING DAM - WS
glazing	626	*	CONTACT GLAZING DAM - LF
glazing	627	*	CONTACT GLAZING DAM - RF
glazing	628	*	CONTACT GLAZING DAM - LR
glazing	629	*	CONTACT GLAZING DAM - RR
glazing	630	*	CONTACT GLAZING DAM - BL
glazing	631	*	CONTACT GLAZING DAM - RO
glazing	632	*	CONTACT GLAZING DAM - OT
glazing	633	*	TYPE OF GLAZING - WS
glazing	634	*	TYPE OF GLAZING - LF
glazing	635	*	TYPE OF GLAZING - RF
glazing	636	*	TYPE OF GLAZING - LR
glazing	637	*	TYPE OF GLAZING - RR
glazing	638	*	TYPE OF GLAZING - BL
glazing	639	*	TYPE OF GLAZING - ROOF
glazing	640	*	TYPE OF GLAZING - OTHER
glazing	641	0	No glazing
glazing	642	0	No glazing
glazing	643	0	No glazing
glazing	644	0	No glazing
glazing	645	0	No glazing
glazing	646	0	No glazing
glazing	647	0	No glazing
glazing	648	0	No glazing
glazing	816	3	Fixed glazing
glove	755	*	GLOVE COMPART DOOR OPEN
glove	915	13	Glove compartment door
gmc	307	23	GMC
gmc	309	16	Utility station wagon (Chevy Suburban,GM
gmc	351	16	Utility station wagon (Chevy Suburban,GM
grab	915	573	Grab handles
grade	384	2	Uphill grade (> 2%)
grand	309	16	Utility station wagon (Chevy Suburban,GM
grand	351	16	Utility station wagon (Chevy Suburban,GM
gravel	385	4	Slag, gravel or stone
ground	209	61	Ground
ground	355	61	Ground
ground	507	61	Ground
ground	519	61	Ground
ground	915	551	Ground
grumman	307	25	Grumman
guardrail	209	56	Other traffic barrier (includes guardrai
guardrail	355	46	Metal guardrail
guardrail	507	56	Other traffic barrier (includes guardrai
guardrail	519	56	Other traffic barrier (includes guardrai

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
hail	388	13	Sleet/hail
hand	813	7	Bracing with feet or hands on a surface
hand	915	401	Hand controls for braking/acceleration
hand	919	23	W - Wrist - hand
handle	915	253	Parking brake handle
handles	915	573	Grab handles
hardtop	309	2	2-door sedan, hardtop, coupe
hardtop	351	2	2-door sedan, hardtop, coupe
hardware	915	51	Left side interior surface (excluding ha
harley-davidson	307	72	Harley-Davidson
harness	860	*	CHILD SEAT HARNESS USE
harness	915	272	Child Harness
harvester	307	84	International Harvester/Navistar
hatch	606	3	Door/hatch (back door)
hatch	607	*	DOOR/GATE/HATCH OPN - LF
hatch	608	*	DOOR/GATE/HATCH OPN - RF
hatch	609	*	DOOR/GATE/HATCH OPN - LR
hatch	610	*	DOOR/GATE/HATCH OPN - RR
hatch	611	*	DOOR/GATE/HATCH OPN - TG
hatch	612	*	DOOR/GATE/HATCH DAM - LF
hatch	613	*	DOOR/GATE/HATCH DAM - RF
hatch	614	*	DOOR/GATE/HATCH DAM - LR
hatch	615	*	DOOR/GATE/HATCH DAM - RR
hatch	616	*	DOOR/GATE/HATCH DAM - TG
hatch	816	1	Door/hatch/tailgate
hatchback	309	3	3-door/2-door hatchback
hatchback	351	3	3-door/2-door hatchback
hawaiian	397	4	Native Hawiian/Other Pacific Islands
hco3	875	96	ABGs reported, HCO3 unknown
head	401	8	H - Dual air bags front, head and sides
head	851	*	HEAD RESTRAINT TYPE/DAM
head	909	1	Head
head	911	6	Head - LOC (Level of Consciousness)
head	915	155	Head restraint system
head	919	8	H - Head - skull
heading	358	*	HEADING ANGLE - THIS VEH
heading	359	*	HEADING ANGLE - OTH VEH
head-on	118	2	Head-on
healey	307	33	Austin/Austin Healey
hearse	309	11	Auto based panel (cargo station wagon, i
hearse	327	8	Other (i.e. funeral hearse)
hearse	351	11	Auto based panel (cargo station wagon, i
heart	921	8	H - Heart
heavy	207	78	Unknown medium/heavy truck type
heavy	209	71	Medium/heavy truck or bus not in-transpo
heavy	210	78	Unknown medium/heavy truck type
heavy	309	65	Medium/heavy truck based motorhome
heavy	328	7	Medium or heavy truck override or underr
heavy	329	7	Medium or heavy truck override or underr
heavy	351	65	Medium/heavy truck based motorhome
heavy	355	71	Medium/heavy truck or bus not in-transpo
heavy	507	71	Medium/heavy truck or bus not in-transpo
heavy	519	71	Medium/heavy truck or bus not in-transpo
height	809	*	HEIGHT
hi-cube	309	28	Other van type (Hi-Cube Van, Kary)
hi-cube	351	28	Other van type (Hi-Cube Van, Kary)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
high	335	5	E - Turbo high HP
high	360	2	Collision fits model - results appear hi
higher	335	2	B - Higher HP, 1 barrel carburetor
higher	376	53	Traveling in same direction with higher
highest	367	*	EST HIGHEST DELTA V
highest	373	0	Not collision (for highest delta V) with
highest	530	*	HIGHEST DELTA-V - "L"
highest	531	*	HIGHEST DELTA-V - "C1"
highest	532	*	HIGHEST DELTA-V - "C2"
highest	533	*	HIGHEST DELTA-V - "C3"
highest	534	*	HIGHEST DELTA-V - "C4"
highest	535	*	HIGHEST DELTA-V - "C5"
highest	536	*	HIGHEST DELTA-V - "C6"
highest	537	*	HIGHEST DELTA-V - "D"
highest	565	998	No highest severity end plane impact
highest	841	1	Highest delta V
highway	376	74	From entrance to limited access highway
hillcrest	384	3	Hillcrest
hinge	612	3	Hinge failure due to damage
hinge	613	3	Hinge failure due to damage
hinge	614	3	Hinge failure due to damage
hinge	615	3	Hinge failure due to damage
hinge	616	3	Hinge failure due to damage
hip	919	16	P - Pelvis - hip
hitting	350	998	Not applicable (most severe impact not w
hitting	351	98	Not applicable (most severe impact not w
holed	617	3	Glazing in place and holed from impact f
holed	618	3	Glazing in place and holed from impact f
holed	619	3	Glazing in place and holed from impact f
holed	620	3	Glazing in place and holed from impact f
holed	621	3	Glazing in place and holed from impact f
holed	622	3	Glazing in place and holed from impact f
holed	623	3	Glazing in place and holed from impact f
holed	624	3	Glazing in place and holed from impact f
holed	625	4	Glazing in place and holed by occupant c
holed	626	4	Glazing in place and holed by occupant c
holed	627	4	Glazing in place and holed by occupant c
holed	628	4	Glazing in place and holed by occupant c
holed	629	4	Glazing in place and holed by occupant c
holed	630	4	Glazing in place and holed by occupant c
holed	631	4	Glazing in place and holed by occupant c
holed	632	4	Glazing in place and holed by occupant c
holed	845	5	Holed
honda	307	37	Honda
hood	376	4	Nondisabling vehicle problem (e.g. hood
hood	707	30	Hood
hood	711	30	Hood
hood	715	30	Hood
hood	719	30	Hood
hood	723	30	Hood
hood	727	30	Hood
hood	731	30	Hood
hood	735	30	Hood
hood	739	30	Hood
hood	743	30	Hood
hood	915	451	Hood

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
horizontal	568	998	Non horizontal impact
horizontal	569	998	Non horizontal impact
hospital	865	2	Hospital
hospital	866	*	HOSPITAL STAY
hospital	908	1	Autopsy records with or without hospital
hospitalization	111	3	Hospitalization
hospitalization	402	3	Hospitalization
hospitalized	864	3	Hospitalized
hospitalized	866	0	Not hospitalized
hour	868	1	Less than 1 and 1/2 hours from the time
hp	335	1	A - Lower HP
hub	915	5	Steering wheel hub/spoke
hybrid	336	2	B - Electric and gasoline hybrid engine
hybrid	562	98	Other Hybrid
hybrid	563	98	Other Hybrid
hydrant	209	62	Fire hydrant
hydrant	355	62	Fire hydrant
hydrant	507	62	Fire hydrant
hydrant	519	62	Fire hydrant
hydride	562	15	Nickel-metal Hydride
hydride	563	15	Nickel-metal Hydride
hydrogen	562	8	Other (Hydrogen or others)
hydrogen	563	8	Other (Hydrogen or others)
hyundai	307	55	Hyundai
ice	376	5	Poor road conditions (puddle, pothole, i
ice	386	4	Ice
impact	209	55	Impact attenuator
impact	350	998	Not applicable (most severe impact not w
impact	351	98	Not applicable (most severe impact not w
impact	355	32	No rollover impact initiation (end-over-
impact	358	996	Nonhorizontal impact
impact	359	996	Nonhorizontal impact
impact	370	*	IMPACT SPEED
impact	371	0	No impact
impact	507	55	Impact attenuator
impact	517	11	K - Conversion in impact type
impact	519	55	Impact attenuator
impact	529	11	K - Conversion in impact type
impact	565	998	No highest severity end plane impact
impact	568	998	Non horizontal impact
impact	569	998	Non horizontal impact
impact	617	*	IMPACT GLAZING DAM - WS
impact	618	*	IMPACT GLAZING DAM - LF
impact	619	*	IMPACT GLAZING DAM - RF
impact	620	*	IMPACT GLAZING DAM - LR
impact	621	*	IMPACT GLAZING DAM - RR
impact	622	*	IMPACT GLAZING DAM - BL
impact	623	*	IMPACT GLAZING DAM - RO
impact	624	*	IMPACT GLAZING DAM - OTH
impact	833	1	Air bag deployed during accident (as a r
impact	835	1	Air bag deployed during accident (as a r
impact	856	5	Deformed by occupant impact
imperial	307	8	Imperial
inadvertently	833	2	Air bag deployed inadvertently just prio
inadvertently	835	2	Air bag deployed inadvertently just prio
inattentive	374	97	Distracted/inattentive, details unknown

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
incapacitating	863	3	A - incapacitating injury
incline	855	*	SEAT BACK INCLINE
indicate	830	1	Police did not indicate restraint use
indicate	831	1	Police did not indicate air bag availabi
indicated	830	9	Police indicated "unknown"
indicated	831	9	Police indicated "unknown"
indication	408	99	Unknown, no indication of Delta V coded,
indirect	917	*	DIRECT/INDIRECT INJURY
infant	858	1	Infant seat
inferior	910	8	Inferior
infiniti	307	58	Infiniti
inflation	116	*	RATIO INFLATION FACTOR
inflation	117	*	RATIO INFLATION FACTOR U
information	208	97	(blank) No information
information	211	97	(blank) No information
inhibited	818	0	Not entrapped/exit not inhibited
initial	357	*	DIRECTION OF INITIAL ROL
initiation	353	*	ROLLOVER INITIATION TYPE
initiation	354	*	LOCATION OF ROLLOVER INI
initiation	355	*	ROLLOVER INIT OBJ CONTAC
injected	335	20	T - 1,2,4 barrels, turbo fuel injected
injection	335	6	F - Unknown, fuel injection rating code
injured	112	0	Not injured
injured	114	*	NUM INJURED OCCUPANTS
injured	403	0	Not injured
injured	404	*	NUM SERIOUSLY INJURED
injured	405	*	NUMBER INJURED
injured	863	5	U - Injured - severity unknown
injured	867	62	Fatally injured
injured	872	97	Injured, details unknown
injured	873	0	Not injured
injured	875	0	Not injured
injured	877	0	Not injured
injured	878	0	Not injured
injured	914	7	Injured, unknown severity
injured	915	697	Injured, unknown source
injured	917	7	Injured, unknown source
injured	919	21	U - Injured - unknown region
injured	920	21	U - Injured - unknown lesion
injured	921	21	U - Injured - unknown system
injuries	819	2	Removed from vehicle due to perceived se
injuries	869	96	Mode of death given but specific injurie
injuries	870	96	Mode of death given but specific injurie
injuries	871	96	Mode of death given but specific injurie
injuries	872	*	NUM RECORDED INJURIES
injury	112	1	Minor injury
injury	113	*	NUM SERIOUSLY INJ OCC
injury	209	36	Noncollision injury
injury	403	1	Minor injury
injury	507	36	Noncollision injury
injury	519	36	Noncollision injury
injury	863	*	INJURY SEVERITY
injury	876	2	Official injury data
injury	877	1	Minor injury
injury	878	*	INJURY SEVERITY SCORE
injury	903	10	Occupant injury record

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
injury	907	*	INJURY NUMBER
injury	908	*	INJURY DATA SOURCE
injury	913	*	LEVEL OF INJURY
injury	914	1	Minor injury
injury	915	*	INJURY SOURCE
injury	917	*	DIRECT/INDIRECT INJURY
injury	918	0	No intrusion or injury not associated wi
inspection	322	*	TYPE OF VEH INSPECTION
inspection	361	0	No vehicle inspection
inspection	876	1	Vehicle inspection
installed	756	1	Adaptive driving equipment installed
installed	838	1	Original manufacturer installed system
instrument	551	6	Instrument panel
instrument	707	2	Instrument panel left
instrument	711	2	Instrument panel left
instrument	715	2	Instrument panel left
instrument	719	2	Instrument panel left
instrument	723	2	Instrument panel left
instrument	727	2	Instrument panel left
instrument	731	2	Instrument panel left
instrument	735	2	Instrument panel left
instrument	739	2	Instrument panel left
instrument	743	2	Instrument panel left
instrument	752	*	INSTRUMENT PANEL DAMAGE
instrument	915	10	Left instrument panel and below
insufficient	361	11	All vehs & collision conditions are with
integral	374	9	While using other device/controls integr
integral	816	5	Integral structure
integral	817	3	Integral structure
integral	851	1	Integral - no damage
integrity	606	*	PASS COMPART INTEGRITY
integumentary	921	9	I - Integumentary
intended	376	68	From crossing street - intended path not
interchange	380	*	RELATION TO INTERCHANGE
intercity	309	58	Other bus type (e.g., transit, intercity
intercity	351	58	Other bus type (e.g., transit, intercity
interior	603	7	Interior Damage "A" record
interior	703	8	Interior Damage "B" record
interior	707	27	Other interior component
interior	711	27	Other interior component
interior	715	27	Other interior component
interior	719	27	Other interior component
interior	723	27	Other interior component
interior	727	27	Other interior component
interior	731	27	Other interior component
interior	735	27	Other interior component
interior	739	27	Other interior component
interior	743	27	Other interior component
interior	915	51	Left side interior surface (excluding ha
intermediate	207	3	Intermediate (wheelbase => 265 but < 278
intermediate	210	3	Intermediate (wheelbase => 265 but < 278
internal	908	16	Autopsy - Internal
international	307	84	International Harvester/Navistar
intersection	376	15	Turning left at intersection
interview	876	3	Driver/occupant interview
interviewee	908	7	Interviewee

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
in-transport	209	70	Passenger car, light truck, van or other
in-transport	355	70	Passenger car, light truck, van or other
in-transport	507	70	Passenger car, light truck, van or other
in-transport	519	70	Passenger car, light truck, van or other
intraunit	209	35	Other intraunit damage
intraunit	507	35	Other intraunit damage
intraunit	519	35	Other intraunit damage
intra-unit	508	13	Intra-unit force (TDC only)
intra-unit	520	13	Intra-unit force (TDC only)
intruding	707	*	INTRUDING COMPONENT (1)
intruding	711	*	INTRUDING COMPONENT (2)
intruding	715	*	INTRUDING COMPONENT (3)
intruding	719	*	INTRUDING COMPONENT (4)
intruding	723	*	INTRUDING COMPONENT (5)
intruding	727	*	INTRUDING COMPONENT (6)
intruding	731	*	INTRUDING COMPONENT (7)
intruding	735	*	INTRUDING COMPONENT (8)
intruding	739	*	INTRUDING COMPONENT (9)
intruding	743	*	INTRUDING COMPONENT (10)
intrusion	706	*	INTRUSION LOCATION (1)
intrusion	707	96	No Intrusion
intrusion	708	*	INTRUSION MAGNITUDE (1)
intrusion	709	8	No Intrusion
intrusion	710	*	INTRUSION LOCATION (2)
intrusion	711	96	No Intrusion
intrusion	712	*	INTRUSION MAGNITUDE (2)
intrusion	713	8	No Intrusion
intrusion	714	*	INTRUSION LOCATION (3)
intrusion	715	96	No Intrusion
intrusion	716	*	INTRUSION MAGNITUDE (3)
intrusion	717	8	No Intrusion
intrusion	718	*	INTRUSION LOCATION (4)
intrusion	719	96	No Intrusion
intrusion	720	*	INTRUSION MAGNITUDE (4)
intrusion	721	8	No Intrusion
intrusion	722	*	INTRUSION LOCATION (5)
intrusion	723	96	No Intrusion
intrusion	724	*	INTRUSION MAGNITUDE (5)
intrusion	725	8	No Intrusion
intrusion	726	*	INTRUSION LOCATION (6)
intrusion	727	96	No Intrusion
intrusion	728	*	INTRUSION MAGNITUDE (6)
intrusion	729	8	No Intrusion
intrusion	730	*	INTRUSION LOCATION (7)
intrusion	731	96	No Intrusion
intrusion	732	*	INTRUSION MAGNITUDE (7)
intrusion	733	8	No Intrusion
intrusion	734	*	INTRUSION LOCATION (8)
intrusion	735	96	No Intrusion
intrusion	736	*	INTRUSION MAGNITUDE (8)
intrusion	737	8	No Intrusion
intrusion	738	*	INTRUSION LOCATION (9)
intrusion	739	96	No Intrusion
intrusion	740	*	INTRUSION MAGNITUDE (9)
intrusion	741	8	No Intrusion
intrusion	742	*	INTRUSION LOCATION (10)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
intrusion	743	96	No Intrusion
intrusion	744	*	INTRUSION MAGNITUDE (10)
intrusion	745	8	No Intrusion
intrusion	856	6	Deformed by passenger compartment intrus
intrusion	918	*	INTRUSION NUMBER
islands	397	4	Native Hawaiian/Other Pacific Islands
iss	878	1	ISS 1
isuzu	307	38	Isuzu
iveco	307	88	Iveco/Magirus
jackknife	209	34	Jackknife
jackknife	355	34	Jackknife
jackknife	507	34	Jackknife
jackknife	519	34	Jackknife
jaguar	307	39	Jaguar
jammed	607	3	Door/gate/hatch jammed shut
jammed	608	3	Door/gate/hatch jammed shut
jammed	609	3	Door/gate/hatch jammed shut
jammed	610	3	Door/gate/hatch jammed shut
jammed	611	3	Door/gate/hatch jammed shut
jammed	818	2	Could not exit vehicle due to jammed doo
january	106	1	January
jeep	307	2	Jeep (includes Kaiser-Jeep)
jeep	309	14	Compact utility (includes Jeep CJ-2 thru
jeep	351	14	Compact utility (includes Jeep CJ-2 thru
jewelry	915	172	Air bag - driver side and jewelry
joint	911	5	Skeletal (includes joints)
joint	921	10	J - Joints
joules	365	0	Less than 50 joules
joy-stick	915	406	Joy-stick steering controls
july	106	7	July
junction	380	4	Other junction
june	106	6	June
kaiser-jeep	307	2	Jeep (includes Kaiser-Jeep)
kary	309	28	Other van type (Hi-Cube Van, Kary)
kary	351	28	Other van type (Hi-Cube Van, Kary)
kawasaki	307	73	Kawasaki
kenworth	307	85	Kenworth
kia	307	63	KIA
kidney	921	11	K - Kidneys
kmp	362	0	Less than 0.5 kmp
kmp	363	-160	-159.5 kmp and below
kmp	364	-160	-159.5 kmp and below
kmp	366	0	Less than 0.5 kmp
kmp	367	1	Less than 10 kmp
kmp	368	*	SPEED LIMIT (KMPH)
kmp	369	*	TRAVEL SPEED (KMPH)
kmp	370	0	< 0.5 kmp
kmp	842	-160	< or = -159.5 kmp
knee	753	*	KNEE BOLSTER TYPE
knee	754	*	KNEE BOLSTERS DEFORMED
knee	915	14	Knee bolster
knee	919	11	K - Knee
kneeling	813	1	Kneeling or standing on seat
knob	915	403	Steering knob attached to steering wheel
lacerated	558	5	Lacerated (ripped)
lacerated	559	5	Lacerated (ripped)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
laceration	920	12	L - Laceration
laminated	633	1	AS-1 - Laminated
laminated	634	1	AS-1 - Laminated
laminated	635	1	AS-1 - Laminated
laminated	636	1	AS-1 - Laminated
laminated	637	1	AS-1 - Laminated
laminated	638	1	AS-1 - Laminated
laminated	639	1	AS-1 - Laminated
laminated	640	1	AS-1 - Laminated
lancia	307	40	Lancia
land	307	62	Land Rover
lane	375	2	Decelerating in traffic lane
lane	376	10	Over the lane line on left side of travel
lane	378	1	Stayed in original travel lane
lane	382	*	NUMBER OF TRAVEL LANES
lap	812	15	Front seat - on/in lap of another occupant
lap	820	3	Lap belt
lap	821	3	Lap belt
lap	830	3	Lap belt
largest	207	5	Largest (wheelbase > or = 291 cm)
largest	210	5	Largest (wheelbase > or = 291 cm)
latch	612	2	Latch/striker failure due to damage
latch	613	2	Latch/striker failure due to damage
latch	614	2	Latch/striker failure due to damage
latch	615	2	Latch/striker failure due to damage
latch	616	2	Latch/striker failure due to damage
latch	915	572	Seat latch points for child restraint
latchplate	823	3	Broken buckle or latchplate
latchplate	829	3	Broken buckle or latchplate
lateral	357	8	Rollover -- end-over-end (i.e., primarily)
lateral	364	*	LAT COMPONENT DELTA-V
lateral	510	*	LONG/LAT LOCATION (1)
lateral	511	*	VERT/LAT LOCATION (1)
lateral	515	*	LONG/LAT LOC (1)-NUMERIC
lateral	516	*	VERT/LAT LOC (1)-NUMERIC
lateral	522	*	LONG/LAT LOCATION (2)
lateral	523	*	VERT/LAT LOCATION (2)
lateral	527	*	LONG/LAT LOC (2)-NUMERIC
lateral	528	*	VERT/LAT LOC (2)-NUMERIC
lateral	709	3	Lateral
lateral	713	3	Lateral
lateral	717	3	Lateral
lateral	721	3	Lateral
lateral	725	3	Lateral
lateral	729	3	Lateral
lateral	733	3	Lateral
lateral	737	3	Lateral
lateral	741	3	Lateral
lateral	745	3	Lateral
laterally	377	3	Skidding laterally - clockwise rotation
lay	908	5	Lay coroner report
lead	562	10	Lead acid battery
lead	563	10	Lead acid battery
leak	560	*	LOCATION OF FUEL 1 LEAK
leak	561	*	LOCATION OF FUEL 2 LEAK
leakage	560	1	No fuel leakage

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
leakage	561	1	No fuel leakage
leakage	564	1	Yes, no damage to any tank or filler cap
least	361	4	At least one vehicle is beyond the scope
least	837	4	More than one previous accident with at
leaving	375	8	Leaving a parked position
left	208	3	(L) Left Side
left	211	3	(L) Left Side
left	357	2	Roll left - primarily about longitudinal
left	375	11	Turning left
left	376	10	Over the lane line on left side of travel
left	378	2	Stayed on roadway but left original travel
left	379	6	Steering left
left	383	3	Curve left
left	514	12	L - Left side
left	526	12	L - Left side
left	554	2	Aft of center of the rear wheels (rear axle)
left	555	2	Aft of center of the rear wheels (rear axle)
left	556	2	Aft of center of the rear wheels (rear axle)
left	557	2	Aft of center of the rear wheels (rear axle)
left	607	*	DOOR/GATE/HATCH OPN - LF
left	612	*	DOOR/GATE/HATCH DAM - LF
left	618	*	IMPACT GLAZING DAM - LF
left	626	*	CONTACT GLAZING DAM - LF
left	634	*	TYPE OF GLAZING - LF
left	642	*	WIN PRECRASH STAT - LF
left	706	11	Front row - left
left	707	2	Instrument panel left
left	710	11	Front row - left
left	711	2	Instrument panel left
left	714	11	Front row - left
left	715	2	Instrument panel left
left	718	11	Front row - left
left	719	2	Instrument panel left
left	722	11	Front row - left
left	723	2	Instrument panel left
left	726	11	Front row - left
left	727	2	Instrument panel left
left	730	11	Front row - left
left	731	2	Instrument panel left
left	734	11	Front row - left
left	735	2	Instrument panel left
left	738	11	Front row - left
left	739	2	Instrument panel left
left	742	11	Front row - left
left	743	2	Instrument panel left
left	750	7	Left half of rim/spoke
left	812	11	Front seat - left side (driver's side)
left	815	2	Left front
left	910	2	Left
left	915	10	Left instrument panel and below
leg	919	12	L - Leg (lower)
length	321	*	VIN LENGTH
lense	850	3	Contact lenses
lesion	920	*	OIC - LESION
level	384	1	Level
level	911	6	Head - LOC (Level of Consciousness)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
level	913	*	LEVEL OF INJURY
level	916	*	CONFIDENCE LEVEL
lever	915	7	Steering column, transmission, selector
lexus	307	59	Lexus
ligaments	911	4	Organs (includes muscles/ligaments)
light	207	45	Other light truck (< or = 4,536 kgs GVWR
light	209	70	Passenger car, light truck, van or other
light	210	45	Other light truck (< or = 4,536 kgs GVWR
light	309	39	Unknown (pickup style) light conventiona
light	340	*	DAYLIGHT RUNNING LIGHTS
light	351	39	Unknown (pickup style) light conventiona
light	355	70	Passenger car, light truck, van or other
light	387	*	LIGHT CONDITIONS
light	507	70	Passenger car, light truck, van or other
light	519	70	Passenger car, light truck, van or other
lighted	387	3	Dark, but lighted
limb	919	24	X - Upper limb(s) (whole or unknown part
limit	368	*	SPEED LIMIT (KMPH)
limited	376	74	From entrance to limited access highway
limousine	309	12	Large limousine - more than four side do
limousine	351	12	Large limousine - more than four side do
lincoln	307	13	Lincoln
line	376	10	Over the lane line on left side of trave
line	560	5	Lines/pump/filter
line	561	5	Lines/pump/filter
liquid	562	4	LPG (Liquid Petroleum Gas) also known as
liquid	563	4	LPG (Liquid Petroleum Gas) also known as
listening	374	5	While talking or listening to cellular p
liver	921	12	L - Liver
lng	562	5	LNG (Liquid Natural Gas)
lng	563	5	LNG (Liquid Natural Gas)
locks	856	3	Seat back folding locks or "seat back" f
longitudinal	357	1	Roll right - primarily about longitudina
longitudinal	363	*	LONG COMPONENT DELTA-V
longitudinal	510	*	LONG/LAT LOCATION (1)
longitudinal	515	*	LONG/LAT LOC (1)-NUMERIC
longitudinal	522	*	LONG/LAT LOCATION (2)
longitudinal	527	*	LONG/LAT LOC (2)-NUMERIC
longitudinal	709	2	Longitudinal
longitudinal	713	2	Longitudinal
longitudinal	717	2	Longitudinal
longitudinal	721	2	Longitudinal
longitudinal	725	2	Longitudinal
longitudinal	729	2	Longitudinal
longitudinal	733	2	Longitudinal
longitudinal	737	2	Longitudinal
longitudinal	741	2	Longitudinal
longitudinal	745	2	Longitudinal
longitudinal	842	*	AB ASSOC LONG DELTA V
longitudinally	377	2	Skidding longitudinally - rotation less
look	813	4	Sitting sideways or turned to talk with
looked	374	2	Looked but did not see
loose	915	161	Interior loose objects
loss-of-control	377	7	Other vehicle loss-of-control
low	335	4	D - Turbo low HP
low	360	3	Collision fits model - results appear lo

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
low	915	404	Low effort power steering (unit or devic
lower	335	1	A - Lower HP
lower	376	51	Traveling in same direction with lower s
lower	750	6	Lower half of rim/spoke
lower	909	8	Lower Extremity
lower	915	24	Left lower instrument panel
lower	919	12	L - Leg (lower)
lpg	562	4	LPG (Liquid Petroleum Gas) also known as
lpg	563	4	LPG (Liquid Petroleum Gas) also known as
lung	921	16	P - Pulmonary - lungs
lying	813	2	Lying on or across seat
mack	307	86	Mack
magirus	307	88	Iveco/Magirus
magnitude	708	*	INTRUSION MAGNITUDE (1)
magnitude	712	*	INTRUSION MAGNITUDE (2)
magnitude	716	*	INTRUSION MAGNITUDE (3)
magnitude	720	*	INTRUSION MAGNITUDE (4)
magnitude	724	*	INTRUSION MAGNITUDE (5)
magnitude	728	*	INTRUSION MAGNITUDE (6)
magnitude	732	*	INTRUSION MAGNITUDE (7)
magnitude	736	*	INTRUSION MAGNITUDE (8)
magnitude	740	*	INTRUSION MAGNITUDE (9)
magnitude	744	*	INTRUSION MAGNITUDE (10)
maintenance	839	*	AIR BAG MAINTENANCE
major	550	2	Major
make	307	*	VEHICLE MAKE
make	308	*	MAKE/MODEL
make	346	*	VIN MAKE
make	857	*	CHILD SEAT MAKE/MODEL
male	808	1	Male
maneuver	375	17	Successful avoidance maneuver to a previ
maneuver	379	*	ATTEMPTED AVOID MANEUVER
manner	118	*	MANNER OF COLLISION
manual	337	2	Manual sun / moon roof
manual	338	2	Manual sun / moon roof
manual	339	2	Manual sun / moon roof
manual	401	1	A - Active (manual) belts
manual	820	*	MANUAL BELT AVAILABILITY
manual	821	*	MANUAL BELT USE
manual	822	*	MANUAL BELT PROPER USE
manual	823	*	MANUAL BELT FAILURE
manual	824	0	No manual shoulder belt
manually	826	2	Automatic belt not in use (manually disc
manufacturer	549	0	No post manufacturer modifications
manufacturer	838	1	Original manufacturer installed system
maplight	915	206	Roof maplight/console
march	106	3	March
maximum	111	*	MAXIMUM TREATMENT
maximum	112	*	MAXIMUM KNOWN AIS
maximum	402	*	MAXIMUM TREATMENT
maximum	403	*	MAXIMUM KNOWN AIS
maximum	877	*	MAXIMUM KNOWN AIS
maximum	878	75	Maximum ISS
maximum	914	6	Maximum (untreatable)
may	106	5	May
mazda	307	41	Mazda

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
measured	749	98	Observed deformation cannot be measured
measured	875	1	Injured - ABGs not measured or reported
mechanically	818	1	Entrapped/pinned - mechanically restrain
median	354	4	On roadside or divided trafficway median
medical	111	8	Transported to a medical facility - unkn
medical	864	8	Transported to a medical facility - unkn
medical	865	*	TYPE OF MEDICAL FACILITY
medical	873	1	Injured - not treated at medical facilit
medical	908	1	Autopsy records with or without hospital
medium	207	78	Unknown medium/heavy truck type
medium	209	71	Medium/heavy truck or bus not in-transpo
medium	210	78	Unknown medium/heavy truck type
medium	309	65	Medium/heavy truck based motorhome
medium	328	7	Medium or heavy truck override or underr
medium	329	7	Medium or heavy truck override or underr
medium	351	65	Medium/heavy truck based motorhome
medium	355	71	Medium/heavy truck or bus not in-transpo
medium	507	71	Medium/heavy truck or bus not in-transpo
medium	519	71	Medium/heavy truck or bus not in-transpo
medium	816	*	EJECTION MEDIUM
medium	817	*	MEDIUM STATUS
mercedes	307	42	Mercedes Benz
mercury	307	14	Mercury
merging	375	16	Merging
merkur	307	56	Merkur
metal	355	46	Metal guardrail
metal	562	13	Sodium metal chloride battery
metal	563	13	Sodium metal chloride battery
metallic	552	1	Metallic
metallic	553	1	Metallic
methanol	336	7	G - Gas (ie Ford engine methanol fuel is
methanol	562	6	Methanol (M100 or M85)
methanol	563	6	Methanol (M100 or M85)
mg	307	43	MG
mid	824	3	In mid position
middle	706	12	Front row - middle
middle	710	12	Front row - middle
middle	714	12	Front row - middle
middle	718	12	Front row - middle
middle	722	12	Front row - middle
middle	726	12	Front row - middle
middle	730	12	Front row - middle
middle	734	12	Front row - middle
middle	738	12	Front row - middle
middle	742	12	Front row - middle
middle	812	12	Front seat - middle
middle	854	3	Seat between forward most track and midd
midnight	109	2400	Midnight
midpoint	748	2	Between full back and midpoint
midrange	855	12	Moved to rearward midrange position
military	327	4	Military
mini	207	1	Subcompact/mini (wheelbase < 254 cm)
mini	210	1	Subcompact/mini (wheelbase < 254 cm)
minibike	309	88	Other motored cycle type (minibike, moto
minibike	351	88	Other motored cycle type (minibike, moto
minivan	207	20	Minivan (< or = 4,536 kgs GVWR)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
minivan	210	20	Minivan (< or = 4,536 kgs GVWR)
minivan	309	20	Minivan (Astro, Caravan, Plymouth Vista,
minivan	351	20	Minivan (Astro, Caravan, Plymouth Vista,
minor	112	1	Minor injury
minor	367	6	Minor
minor	403	1	Minor injury
minor	550	1	Minor
minor	877	1	Minor injury
minor	914	1	Minor injury
mirror	915	2	Mirror
miscellaneous	389	8	Miscellaneous/other controls including R
mitsubishi	307	52	Mitsubishi
mobility	819	*	OCCUPANT MOBILITY
mode	869	96	Mode of death given but specific injurie
mode	870	96	Mode of death given but specific injurie
mode	871	96	Mode of death given but specific injurie
model	306	*	MODEL YEAR
model	308	*	MAKE/MODEL
model	344	*	VIN MODEL CARS
model	347	*	VIN MODEL YEAR
model	360	1	Collision fits model - results appear re
model	857	*	CHILD SEAT MAKE/MODEL
moderate	112	2	Moderate injury
moderate	367	7	Moderate
moderate	403	2	Moderate injury
moderate	877	2	Moderate injury
moderate	914	2	Moderate injury
modes	829	*	AUTO BELT FAILURE MODES
modifications	549	0	No post manufacturer modifications
modifications	915	408	Modifications to seat belts (specify)
modified	549	9	Unknown if vehicle is modified
module	844	3	Deployed, unknown if air bag module cove
monday	108	2	Monday
month	106	*	ACCIDENT MONTH
month	808	3	Female - pregnant - 1st trimester (1st-3
moon	337	2	Manual sun / moon roof
moon	338	2	Manual sun / moon roof
moon	339	2	Manual sun / moon roof
moped	307	78	Other make moped
moped	309	81	Moped (motorized bicycle)
moped	351	81	Moped (motorized bicycle)
mortality	864	*	TREATMENT/MORTALITY
moto-guzzi	307	74	Moto-Guzzi
motor	207	0	Not a motor vehicle
motor	208	0	(0) Not a motor vehicle
motor	210	0	Not a motor vehicle
motor	211	0	(0) Not a motor vehicle
motor	307	1	American Motors
motor	376	59	Unknown travel direction of other motor
motorcycle	309	80	Motorcycle
motorcycle	342	13	M - Motorcycle
motorcycle	349	*	MTRCYCLE ENGINE DISPLACE
motorcycle	351	80	Motorcycle
motored	207	80	Motored cycle
motored	210	80	Motored cycle
motored	307	79	Other motored cycle

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
motored	309	88	Other motored cycle type (minibike, moto
motored	351	88	Other motored cycle type (minibike, moto
motorhome	309	23	Van based motorhome (< 4,536 kgs GVWR)
motorhome	351	23	Van based motorhome (< 4,536 kgs GVWR)
motorized	309	81	Moped (motorized bicycle)
motorized	351	81	Moped (motorized bicycle)
motorized	826	2	Automatic belt not in use (manually disc
motorized	827	2	Motorized system
motorscooter	309	88	Other motored cycle type (minibike, moto
motorscooter	351	88	Other motored cycle type (minibike, moto
mouth	915	174	Air bag - driver side and object in mout
movement	375	*	PRE-EVENT MOVEMENT
moving	374	4	By moving object in vehicle
multi-stage	549	*	MULTI-STAGE VEHICLE
muscle	911	4	Organs (includes muscles/ligaments)
muscle	921	13	M - Muscles
narrow	517	14	N - Narrow impact area
narrow	529	14	N - Narrow impact area
native	397	4	Native Hawiian/Other Pacific Islands
natural	336	3	C - Gasoline engine that can be easily c
natural	562	3	CNG (Compressed Natural Gas)
natural	563	3	CNG (Compressed Natural Gas)
navistar	307	84	International Harvester/Navistar
neck	558	7	Filler neck separation from the fuel tan
neck	559	7	Filler neck separation from the fuel tan
neck	560	3	Filler neck
neck	561	3	Filler neck
neck	909	3	Neck
neck	919	14	N - Neck - cervical spine
negotiating	375	14	Negotiating a curve
nerves	911	3	Nerves
nervous	921	14	N - Nervous system
nickel-cadmium	562	12	Nickel-cadmium battery
nickel-cadmium	563	12	Nickel-cadmium battery
nickel-iron	562	11	Nickel-iron battery
nickel-iron	563	11	Nickel-iron battery
nickel-metal	562	15	Nickel-metal Hydride
nickel-metal	563	15	Nickel-metal Hydride
nissan	307	35	Nissan/Datsun
nonadjustable	854	1	Nonadjustable seat track
nonadjustable	855	1	Nonadjustable
nonautomated	328	3	Other nonautomated CDC
nonautomated	329	3	Other nonautomated CDC
noncoded	841	3	Other noncoded delta-V (specify)
noncoded	918	97	Injury associated with a noncoded intrus
noncollision	208	96	(N) Noncollision
noncollision	209	36	Noncollision injury
noncollision	211	96	(N) Noncollision
noncollision	358	997	Noncollision
noncollision	359	997	Noncollision
noncollision	507	36	Noncollision injury
noncollision	519	36	Noncollision injury
noncollision	833	4	Air bag deployed as a result of a noncol
noncollision	835	4	Air bag deployed as a result of a noncol
noncontact	356	6	Noncontact rollover forces
noncontact	915	603	Other noncontact injury source

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
noncontact	917	3	Noncontact injury
nondeployed	833	7	Nondeployed
nondeployed	835	7	Nondeployed
nondisabling	376	4	Nondisabling vehicle problem (e.g. hood
nonfixed	209	88	Other nonfixed object
nonfixed	355	88	Other nonfixed object
nonfixed	507	88	Other nonfixed object
nonfixed	519	88	Other nonfixed object
nonfixed	816	2	Nonfixed roof structure
nonhorizontal	358	996	Nonhorizontal impact
nonhorizontal	359	996	Nonhorizontal impact
nonhorizontal	361	6	Other nonhorizontal forces
nonhorizontal	508	0	Nonhorizontal force
nonhorizontal	520	0	Nonhorizontal force
nonincapacitating	863	2	B - nonincapacitating injury
noninterchange	380	0	Noninterchange area and non-junction
non-junction	380	0	Noninterchange area and non-junction
nonmetallic	552	2	NonMetallic
nonmetallic	553	2	NonMetallic
nonmotorist	209	74	Other nonmotorist or conveyance
nonmotorist	376	83	Pedalcyclist or other nonmotorist in roa
nonmotorist	507	74	Other nonmotorist or conveyance
nonmotorist	519	74	Other nonmotorist or conveyance
nonmotorized	827	1	Nonmotorized system
non-towed	322	4	Partial Inspection, Non-towed vehicle
nontransported	864	5	Treatment at scene - nontransported
normal	813	0	Normal posture
norton	307	75	Norton
november	106	11	November
number	101	*	PSU NUMBER
number	102	*	CASE NUMBER
number	103	*	RECORD NUMBER
number	104	*	VERSION NUMBER
number	105	*	NUM GEN VEH FORMS SUBMIT
number	110	*	NUM EVENTS RECORDED
number	113	*	NUM SERIOUSLY INJ OCC
number	114	*	NUM INJURED OCCUPANTS
number	201	*	PSU NUMBER
number	202	*	CASE NUMBER
number	203	*	RECORD NUMBER
number	204	*	VERSION NUMBER
number	205	*	EVENT SEQUENCE NUMBER
number	206	*	VEHICLE NUMBER (1)
number	209	*	VEH NUM/OBJ CONTACT (2)
number	301	*	PSU NUMBER
number	302	*	CASE NUMBER
number	303	*	RECORD NUMBER
number	304	*	VERSION NUMBER
number	305	*	VEHICLE NUMBER
number	382	*	NUMBER OF TRAVEL LANES
number	404	*	NUM SERIOUSLY INJURED
number	405	*	NUMBER INJURED
number	406	*	NUMBER OF OCCUPANTS
number	407	*	NUMBER OCCUPANT FORMS
number	408	*	DELTA V EVENT NUMBER
number	501	*	PSU NUMBER

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
number	502	*	CASE NUMBER
number	503	*	RECORD NUMBER
number	504	*	VERSION NUMBER
number	505	*	VEHICLE NUMBER
number	601	*	PSU NUMBER
number	602	*	CASE NUMBER
number	603	*	RECORD NUMBER
number	604	*	VERSION NUMBER
number	605	*	VEHICLE NUMBER
number	701	*	PSU NUMBER
number	702	*	CASE NUMBER
number	703	*	RECORD NUMBER
number	704	*	VERSION NUMBER
number	705	*	VEHICLE NUMBER
number	801	*	PSU NUMBER
number	802	*	CASE NUMBER
number	803	*	RECORD NUMBER
number	804	*	VERSION NUMBER
number	805	*	VEHICLE NUMBER
number	806	*	OCCUPANT NUMBER
number	840	*	AIR BAG EVENT NUMBER
number	872	*	NUM RECORDED INJURIES
number	901	*	PSU NUMBER
number	902	*	CASE NUMBER
number	903	*	RECORD NUMBER
number	904	*	VERSION NUMBER
number	905	*	VEHICLE NUMBER
number	906	*	OCCUPANT NUMBER
number	907	*	INJURY NUMBER
number	918	*	INTRUSION NUMBER
numeric	514	*	DEFORM LOC (1) - NUMERIC
numeric	526	*	DEFORM LOC (2) - NUMERIC
object	209	*	VEH NUM/OBJ CONTACT(2)
object	355	*	ROLLOVER INIT OBJ CONTAC
object	358	998	Impact with object
object	359	998	Impact with object
object	361	9	Yielding object
object	374	4	By moving object in vehicle
object	376	90	Object in roadway
object	507	*	OBJECT CONTACTED (1)
object	519	*	OBJECT CONTACTED (2)
object	707	32	Other exterior object in the environment
object	711	32	Other exterior object in the environment
object	715	32	Other exterior object in the environment
object	719	32	Other exterior object in the environment
object	723	32	Other exterior object in the environment
object	727	32	Other exterior object in the environment
object	731	32	Other exterior object in the environment
object	735	32	Other exterior object in the environment
object	739	32	Other exterior object in the environment
object	743	32	Other exterior object in the environment
object	846	2	Object worn by occupant
object	915	17	Windshield reinforced by exterior object
observed	749	98	Observed deformation cannot be measured
obtained	395	3	Specimen test given, results unknown or
occupant	113	*	NUM SERIOUSLY INJ OCC

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
occupant	114	*	NUM INJURED OCCUPANTS
occupant	209	75	Vehicle occupant
occupant	374	3	By other occupant(s)
occupant	406	*	NUMBER OF OCCUPANTS
occupant	407	*	NUMBER OCCUPANT FORMS
occupant	507	75	Vehicle occupant
occupant	519	75	Vehicle occupant
occupant	625	1	No occupant contact to glazing
occupant	626	1	No occupant contact to glazing
occupant	627	1	No occupant contact to glazing
occupant	628	1	No occupant contact to glazing
occupant	629	1	No occupant contact to glazing
occupant	630	1	No occupant contact to glazing
occupant	631	1	No occupant contact to glazing
occupant	632	1	No occupant contact to glazing
occupant	803	9	Occupant assessment record
occupant	806	*	OCCUPANT NUMBER
occupant	812	15	Front seat - on/in lap of another occupa
occupant	813	4	Sitting sideways or turned to talk with
occupant	819	*	OCCUPANT MOBILITY
occupant	846	2	Object worn by occupant
occupant	849	*	AB CONTACTED BY OTHER OC
occupant	852	0	Occupant not seated or no seat
occupant	853	0	Occupant not seated or no seat
occupant	854	0	Occupant not seated or no seat
occupant	855	0	Occupant not seated or no seat
occupant	856	0	Occupant not seated or no seat
occupant	874	*	WAS OCCUPANT GIVEN BLOOD
occupant	876	3	Driver/occupant interview
occupant	903	10	Occupant injury record
occupant	906	*	OCCUPANT NUMBER
occupant	915	160	Other occupants
occupant's	811	*	OCCUPANT'S ROLE
occupant's	812	*	OCCUPANT's SEAT POSITION
occupant's	813	*	OCCUPANT's POSTURE
occurrence	550	*	FIRE OCCURRENCE
o'clock	508	1	1 o'clock
o'clock	520	1	1 o'clock
october	106	10	October
odometer	751	*	ODOMETER READING
oem	915	402	Steering control devices (attached to OE
office	865	4	Physician's office
official	876	2	Official injury data
oic	919	*	OIC - BODY REGION
oic	920	*	OIC - LESION
oic	921	*	OIC - SYSTEM ORGAN
oil	386	5	Sand, dirt or oil
older	807	97	97 years or older
oldsmobile	307	21	Oldsmobile
operational	607	1	Door/gate/hatch remained closed and oper
operational	608	1	Door/gate/hatch remained closed and oper
operational	609	1	Door/gate/hatch remained closed and oper
operational	610	1	Door/gate/hatch remained closed and oper
operational	611	1	Door/gate/hatch remained closed and oper
operational	612	1	Door operational (no damage)
operational	613	1	Door operational (no damage)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
operational	614	1	Door operational (no damage)
operational	615	1	Door operational (no damage)
operational	616	1	Door operational (no damage)
opposite	118	6	Sideswipe, opposite direction
opposite	376	54	Traveling in opposite direction
optional	330	5	4 wheel optional
optional	338	*	OPTIONAL ROOF 1
optional	339	*	OPTIONAL ROOF 2
optional	340	15	O - Optional
organ	921	*	OIC - SYSTEM ORGAN
organs	911	4	Organs (includes muscles/ligaments)
orientation	853	*	SEAT ORIENTATION
orientation	859	*	CHILD SEAT ORIENTATION
oriented	819	1	Removed from vehicle while unconscious o
origin	551	*	ORIGIN OF FIRE
original	378	1	Stayed in original travel lane
original	548	*	ORIGINAL WHEELBASE
original	567	*	ORIGINAL AVE. TRACK WID.
original	633	3	AS-3 - Tempered-tinted (original)
original	634	3	AS-3 - Tempered-tinted (original)
original	635	3	AS-3 - Tempered-tinted (original)
original	636	3	AS-3 - Tempered-tinted (original)
original	637	3	AS-3 - Tempered-tinted (original)
original	638	3	AS-3 - Tempered-tinted (original)
original	639	3	AS-3 - Tempered-tinted (original)
original	640	3	AS-3 - Tempered-tinted (original)
original	838	1	Original manufacturer installed system
ornament	915	505	Hood ornament
out-of-place	617	4	Glazing out-of-place (cracked or not) an
out-of-place	618	4	Glazing out-of-place (cracked or not) an
out-of-place	619	4	Glazing out-of-place (cracked or not) an
out-of-place	620	4	Glazing out-of-place (cracked or not) an
out-of-place	621	4	Glazing out-of-place (cracked or not) an
out-of-place	622	4	Glazing out-of-place (cracked or not) an
out-of-place	623	4	Glazing out-of-place (cracked or not) an
out-of-place	624	4	Glazing out-of-place (cracked or not) an
out-of-place	625	5	Glazing out-of-place (cracked or not) by
out-of-place	626	5	Glazing out-of-place (cracked or not) by
out-of-place	627	5	Glazing out-of-place (cracked or not) by
out-of-place	628	5	Glazing out-of-place (cracked or not) by
out-of-place	629	5	Glazing out-of-place (cracked or not) by
out-of-place	630	5	Glazing out-of-place (cracked or not) by
out-of-place	631	5	Glazing out-of-place (cracked or not) by
out-of-place	632	5	Glazing out-of-place (cracked or not) by
outside	374	12	Distracted by outside person, object, or
outside	707	31	Outside surface of this vehicle
outside	711	31	Outside surface of this vehicle
outside	715	31	Outside surface of this vehicle
outside	719	31	Outside surface of this vehicle
outside	723	31	Outside surface of this vehicle
outside	727	31	Outside surface of this vehicle
outside	731	31	Outside surface of this vehicle
outside	735	31	Outside surface of this vehicle
outside	739	31	Outside surface of this vehicle
outside	743	31	Outside surface of this vehicle
outside	915	452	Outside hardware (outside mirror, antenn

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
outward	853	4	Side facing seat (outward)
overhanging	517	1	A - Overhanging structure
overhanging	529	1	A - Overhanging structure
overlapping	361	10	Overlapping damage
override	328	*	FRONT OVERRIDE/UNDERRIDE
override	329	*	REAR OVERRIDE/UNDERRIDE
override	361	8	Severe override
overtaking	375	6	Passing or overtaking another vehicle
overturn	209	31	Overturn - rollover (excludes end-over-e
overturn	352	99	Rollover (overturn) - details unknown or
overturn	507	31	Overturn - rollover (excludes end-over-e
overturn	519	31	Overturn - rollover (excludes end-over-e
overturning	352	0	No rollover (no overturning)
pacific	397	4	Native Hawaiian/Other Pacific Islands
pan	707	5	Toe pan
pan	711	5	Toe pan
pan	715	5	Toe pan
pan	719	5	Toe pan
pan	723	5	Toe pan
pan	727	5	Toe pan
pan	731	5	Toe pan
pan	735	5	Toe pan
pan	739	5	Toe pan
pan	743	5	Toe pan
pan	915	251	Floor including toe pan
panel	309	11	Auto based panel (cargo station wagon, i
panel	337	4	Removable panels
panel	338	4	Removable panels
panel	339	4	Removable panels
panel	351	11	Auto based panel (cargo station wagon, i
panel	551	6	Instrument panel
panel	707	2	Instrument panel left
panel	711	2	Instrument panel left
panel	715	2	Instrument panel left
panel	719	2	Instrument panel left
panel	723	2	Instrument panel left
panel	727	2	Instrument panel left
panel	731	2	Instrument panel left
panel	735	2	Instrument panel left
panel	739	2	Instrument panel left
panel	743	2	Instrument panel left
panel	752	*	INSTRUMENT PANEL DAMAGE
panel	915	10	Left instrument panel and below
par	830	*	PAR RESTRAINT USE
parked	375	7	Disabled or parked in travel lane
parking	375	13	Backing up (other than for parking posit
parking	376	64	From parking lane
parking	915	253	Parking brake handle
part	919	24	X - Upper limb(s) (whole or unknown part
partial	322	2	Partial inspection
partial	814	2	Partial ejection
partially	641	3	Partially opened
partially	642	3	Partially opened
partially	643	3	Partially opened
partially	644	3	Partially opened
partially	645	3	Partially opened

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
partially	646	3	Partially opened
partially	647	3	Partially opened
partially	648	3	Partially opened
parts	551	3	Fuel tank (and other fuel retention syst
passenger	207	9	Unknown passenger car size
passenger	209	70	Passenger car, light truck, van or other
passenger	210	9	Unknown passenger car size
passenger	342	16	P - Passenger vehicle
passenger	355	70	Passenger car, light truck, van or other
passenger	401	2	B - Driver front air bag / passenger sid
passenger	507	70	Passenger car, light truck, van or other
passenger	519	70	Passenger car, light truck, van or other
passenger	551	7	Passenger compartment area
passenger	606	*	PASS COMPART INTEGRITY
passenger	811	2	Passenger
passenger	856	6	Deformed by passenger compartment intrus
passenger	915	180	Air bag - passenger side
passing	375	6	Passing or overtaking another vehicle
passing	376	17	Crossing over (passing through) intersec
passive	401	4	D - Dual front air bag / passenger side
passive	826	*	AUTO (PASSIV) SYSTEM USE
path	376	66	From crossing street - across path
paved	354	2	On shoulder - paved
pdof1-clock	568	*	PDOF1-CLOCK DEGREES
pdof2-clock	569	*	PDOF2-CLOCK DEGREES
pedalcyclist	376	83	Pedalcyclist or other nonmotorist in roa
pedestal	852	8	Pedestal (i.e., column supported)
pedestrian	209	72	Pedestrian
pedestrian	376	80	Pedestrian in roadway
pedestrian	507	72	Pedestrian
pedestrian	519	72	Pedestrian
pelvis	919	16	P - Pelvis - hip
perceived	819	2	Removed from vehicle due to perceived se
perforation	920	16	P - Perforation, puncture
performance	335	8	H - Unknown, high performance rating cod
performance	856	*	SEAT PERFORMANCE
performed	393	97	AC test performed, results unknown
person	374	12	Distracted by outside person, object, or
personnel	908	6	E.M.S. personnel
peterbilt	307	87	Peterbilt
petroleum	562	4	LPG (Liquid Petroleum Gas) also known as
petroleum	563	4	LPG (Liquid Petroleum Gas) also known as
peugeot	307	44	Peugeot
phone	374	5	While talking or listening to cellular p
physically	381	0	Not physically divided (two way trafficw
physician	908	4	Private physician - walk-in or emergency
physician's	865	4	Physician's office
pickup	207	30	Compact Pickup truck (< or = 4,536 kgs G
pickup	210	30	Compact Pickup truck (< or = 4,536 kgs G
pickup	309	10	Auto based pickup (includes El Camino, C
pickup	351	10	Auto based pickup (includes El Camino, C
pickup	815	8	Other area (e.g., back of pickup, etc.)
pillar	612	5	Door support (i.e., pillar, sill, roof s
pillar	613	5	Door support (i.e., pillar, sill, roof s
pillar	614	5	Door support (i.e., pillar, sill, roof s
pillar	615	5	Door support (i.e., pillar, sill, roof s

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
pillar	616	5	Door support (i.e., pillar, sill, roof s
pillar	915	55	Other left pillar
pinned	818	1	Entrapped/pinned - mechanically restrain
plane	356	2	Side plane
plane	556	1	On back plane
plane	557	1	On back plane
plane	565	998	No highest severity end plane impact
plastic	633	6	AS-14 - Glass/plastic
plastic	634	6	AS-14 - Glass/plastic
plastic	635	6	AS-14 - Glass/plastic
plastic	636	6	AS-14 - Glass/plastic
plastic	637	6	AS-14 - Glass/plastic
plastic	638	6	AS-14 - Glass/plastic
plastic	639	6	AS-14 - Glass/plastic
plastic	640	6	AS-14 - Glass/plastic
plymouth	307	9	Plymouth
plymouth	309	20	Minivan (Astro, Caravan, Plymouth Vista,
plymouth	351	20	Minivan (Astro, Caravan, Plymouth Vista,
points	843	3	Deployed, unknown if flap(s) opened at d
points	915	572	Seat latch points for child restraint
pole	209	45	Breakaway pole or post (any diameter)
pole	355	45	Breakaway pole or post
pole	373	*	POST COLL TREE/POLE COND
pole	507	45	Breakaway pole or post (any diameter)
pole	519	45	Breakaway pole or post (any diameter)
police	327	5	Police
police	830	1	Police did not indicate restraint use
police	831	*	AIR BAG AVAIL/FUN POLICE
police	908	9	Police
pontiac	307	22	Pontiac
poor	376	5	Poor road conditions (puddle, pothole, i
porsche	307	45	Porsche
ports	848	*	AIR BAG VENT PORTS
position	375	8	Leaving a parked position
position	812	*	OCCUPANT's SEAT POSITION
position	813	6	Lying back in a reclined seat position
position	824	2	In full upright position
position	854	2	Seat at forward most track position
position	855	11	Moved to completely rearward position
positive	381	1	Divided trafficway-median strip without
possible	863	1	C - possible injury
possible	916	3	Possible
post	209	45	Breakaway pole or post (any diameter)
post	355	45	Breakaway pole or post
post	373	*	POST COLL TREE/POLE COND
post	507	45	Breakaway pole or post (any diameter)
post	519	45	Breakaway pole or post (any diameter)
post	549	0	No post manufacturer modifications
posterior	910	6	Posterior
posture	813	*	OCCUPANT's POSTURE
pothole	376	5	Poor road conditions (puddle, pothole, i
pound	343	438	438 pounds
pound	348	1	6,000 lbs & under
power	337	3	Power sun / moon roof
power	338	3	Power sun / moon roof
power	339	3	Power sun / moon roof

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
power	819	4	Exited from vehicle under own power
power	915	404	Low effort power steering (unit or devic
powered	336	3	C - Gasoline engine that can be easily c
precrash	376	*	CRITICAL PRECRASH EVENT
precrash	377	9	Precrash stability unknown
precrash	641	*	WIN PRECRASH STAT - WS
precrash	642	*	WIN PRECRASH STAT - LF
precrash	643	*	WIN PRECRASH STAT - RF
precrash	644	*	WIN PRECRASH STAT - LR
precrash	645	*	WIN PRECRASH STAT - RR
precrash	646	*	WIN PRECRASH STAT - BL
precrash	647	*	WIN PRECRASH STAT - RO
precrash	648	*	WIN PRECRASH STAT - OT
pre-event	375	*	PRE-EVENT MOVEMENT
pregnant	808	2	Female - not reported pregnant
pre-impact	377	*	PRE-IMPACT STABILITY
pre-impact	378	*	PRE-IMPACT LOCATION
pre-impact	855	14	Retained pre-impact position
presence	375	98	No driver presence
presence	391	*	DRIVER PRESENCE
presence	392	*	ALCOHOL PRESENCE
presence	394	*	OTHER DRUG PRESENCE
previous	375	17	Successful avoidance maneuver to a previ
previous	837	*	AB DEPLOY/PREVIOUS ACC
primarily	357	1	Roll right - primarily about longitudina
principal	356	*	PRIN TRIP FORCE APPLIED
private	908	4	Private physician - walk-in or emergency
probable	916	2	Probable
problem	376	4	Nondisabling vehicle problem (e.g. hood
profile	384	*	ROADWAY PROFILE
program	361	1	Reconstruction program - damage only rou
propane	336	3	C - Gasoline engine that can be easily c
propane	562	4	LPG (Liquid Petroleum Gas) also known as
propane	563	4	LPG (Liquid Petroleum Gas) also known as
proper	822	*	MANUAL BELT PROPER USE
proper	828	*	PROPER USE OF AUTO BELT
protrusion	915	509	Other side protrusions
provided	333	9	Not provided in 2007 dataset
provided	399	9	Not provided in 2007 dataset
provided	400	9	Not provided in 2007 dataset
provided	753	9	Not provided in 2007 dataset
provided	754	9	Not provided in 2007 dataset
provided	755	9	Not provided in 2007 dataset
provided	822	9	Not provided in 2007 dataset
provided	828	9	Not provided in 2007 dataset
provided	847	9	Not provided in 2007 dataset
provided	848	9	Not provided in 2007 dataset
provided	849	9	Not provided in 2007 dataset
psu	101	*	PSU NUMBER
psu	119	*	PSU STRATRUM
psu	201	*	PSU NUMBER
psu	301	*	PSU NUMBER
psu	501	*	PSU NUMBER
psu	601	*	PSU NUMBER
psu	701	*	PSU NUMBER
psu	801	*	PSU NUMBER

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
psu	901	*	PSU NUMBER
puddle	376	5	Poor road conditions (puddle, pothole, i
pulmonary	921	16	P - Pulmonary - lungs
pump	560	5	Lines/pump/filter
pump	561	5	Lines/pump/filter
puncture	920	16	P - Perforation, puncture
punctured	558	4	Punctured
punctured	559	4	Punctured
quarter	352	1	Rollover - one quarter turn only
rabbit	309	10	Auto based pickup (includes El Camino, C
rabbit	351	10	Auto based pickup (includes El Camino, C
race	397	*	DRIVER'S RACE
rack	915	302	Backlight storage rack, door, etc.
radio	374	8	While adjusting radio, cassette, CD
radio	915	8	Cellular telephone or CB radio
rail	612	5	Door support (i.e., pillar, sill, roof s
rail	613	5	Door support (i.e., pillar, sill, roof s
rail	614	5	Door support (i.e., pillar, sill, roof s
rail	615	5	Door support (i.e., pillar, sill, roof s
rail	616	5	Door support (i.e., pillar, sill, roof s
rail	707	14	Roof side rail
rail	711	14	Roof side rail
rail	715	14	Roof side rail
rail	719	14	Roof side rail
rail	723	14	Roof side rail
rail	727	14	Roof side rail
rail	731	14	Roof side rail
rail	735	14	Roof side rail
rail	739	14	Roof side rail
rail	743	14	Roof side rail
rail	915	59	Left side window glass + 1 or more from:
rain	388	12	Rain
raised	915	410	Raised roof
ram	309	15	Large utility (includes Jeep Cherokee, R
ram	351	15	Large utility (includes Jeep Cherokee, R
rambler	308	+	Rambler/American
ranchero	309	10	Auto based pickup (includes El Camino, C
ranchero	351	10	Auto based pickup (includes El Camino, C
ranger	309	30	Compact pickup (Ram 50, Dakota, Arrow Pi
ranger	351	30	Compact pickup (Ram 50, Dakota, Arrow Pi
rating	335	6	F - Unknown, fuel injection rating code
ratio	116	*	RATIO INFLATION FACTOR
ratio	117	*	RATIO INFLATION FACTOR U
reaching	374	10	While using or reaching for device/objec
reading	751	*	ODOMETER READING
rear	208	4	(B) Back or TDC: back of unit with cargo
rear	211	4	(B) Back or TDC: back of unit with cargo
rear	329	*	REAR OVERRIDE/UNDERRIDE
rear	330	3	Rear only standard
rear	333	*	FRONT/REAR WHEEL DRIVE
rear	401	20	T - Dual air bags front / active belts /
rear	514	2	B - Back (rear)
rear	526	2	B - Back (rear)
rear	554	1	Aft of center of the rear wheels (rear a
rear	555	1	Aft of center of the rear wheels (rear a
rear	556	2	Aft of center of the rear wheels (rear a

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
rear	557	2	Aft of center of the rear wheels (rear a
rear	606	7	Rear window (backlight)
rear	707	12	Side panel - rear of B-pillar
rear	711	12	Side panel - rear of B-pillar
rear	715	12	Side panel - rear of B-pillar
rear	719	12	Side panel - rear of B-pillar
rear	723	12	Side panel - rear of B-pillar
rear	727	12	Side panel - rear of B-pillar
rear	731	12	Side panel - rear of B-pillar
rear	735	12	Side panel - rear of B-pillar
rear	739	12	Side panel - rear of B-pillar
rear	743	12	Side panel - rear of B-pillar
rear	813	4	Sitting sideways or turned to talk with
rear	815	4	Left rear
rear	853	2	Rear facing seat
rear	854	5	Seat between middle and rear most track
rear	859	1	Rear facing
rear	915	202	Rear header
rear-end	118	1	Rear-end
rear-to-rear	118	3	Rear-to-rear
rearward	855	11	Moved to completely rearward position
reasonable	360	1	Collision fits model - results appear re
reasons	819	8	Removed from vehicle for other reasons
reclined	813	6	Lying back in a reclined seat position
reconstruct	360	*	RECONSTRUCT CONFIDENCE
reconstruction	360	0	No reconstruction
reconstruction	361	1	Reconstruction program - damage only rou
reconstruction	367	0	Reconstruction delta V coded
record	103	*	RECORD NUMBER
record	203	*	RECORD NUMBER
record	303	*	RECORD NUMBER
record	503	*	RECORD NUMBER
record	603	*	RECORD NUMBER
record	703	*	RECORD NUMBER
record	803	*	RECORD NUMBER
record	903	*	RECORD NUMBER
recorded	110	*	NUM EVENTS RECORDED
recorded	872	*	NUM RECORDED INJURIES
recovery	560	6	Vent/emission recovery
recovery	561	6	Vent/emission recovery
reduced	915	405	Replacement steering wheel (ie reduced d
refused	393	95	Test refused
regardless	361	4	At least one vehicle is beyond the scope
region	909	*	BODY REGION - AIS90
region	910	0	Whole region
region	919	*	OIC - BODY REGION
region	921	23	W - All systems in region
regulatory	389	5	Other regulatory sign
reinforced	915	17	Windshield reinforced by exterior object
reinstalled	832	3	Air bag not reinstalled
reinstalled	834	3	Air bag not reinstalled
related	374	14	Smoking related
related	380	1	Interchange area related
related	917	4	Air bag related injury
relation	380	*	RELATION TO INTERCHANGE
released	111	4	Transported and released

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
released	402	4	Transported and released
released	864	4	Transported and released
releasing	379	5	Releasing brakes
relocated	915	409	Additional or relocated switches (specif
removable	337	4	Removable panels
removable	338	4	Removable panels
removable	339	4	Removable panels
renault	307	46	Renault
rendered	825	4	Automatic belts destroyed or rendered in
rendered	826	0	Not equipped/not available/destroyed or
rendered	876	0	Not equipped/not available/destroyed or
renegade	309	14	Compact utility (includes Jeep CJ-2 thru
renegade	351	14	Compact utility (includes Jeep CJ-2 thru
reo	307	81	Diamond Reo, Reo
repaired	322	1	Vehicle fully repaired - no damage evide
replaced	373	7	Pole replaced
replacement	838	3	Replacement air bag
replacement	915	405	Replacement steering wheel (ie reduced d
report	869	*	CAUSE OF DEATH-1-MED REP
report	870	*	CAUSE OF DEATH-2-MED REP
report	871	*	CAUSE OF DEATH-3-MED REP
report	908	3	Emergency room records only (including a
reported	392	7	Not reported
reported	394	7	Not reported
reported	808	2	Female - not reported pregnant
reported	875	1	Injured - ABGs not measured or reported
rescue	309	40	Cab chassis based (includes rescue vehic
rescue	351	40	Cab chassis based (includes rescue vehic
rescue	846	7	Rescue or emergency efforts
resident	396	1	Driver not a resident of U.S. or territo
residual	517	21	U - No residual deformation
residual	529	21	U - No residual deformation
respiratory	921	18	R - Respiratory
rest	915	411	Wall mounted head rest (used behind whee
restrained	818	1	Entrapped/pinned - mechanically restrain
restrained	830	8	Restrained, type unknown
restraint	401	*	RESTRAINT TYPE
restraint	825	*	AUTO RESTRAINT AVAILABLE
restraint	830	*	PAR RESTRAINT USE
restraint	851	*	HEAD RESTRAINT TYPE/DAM
restraint	915	152	Belt restraint webbing/buckle
retained	855	14	Retained pre-impact position
retention	551	3	Fuel tank (and other fuel retention syst
retractable	337	6	Retractable roof panel
retractable	338	6	Retractable roof panel
retractable	339	6	Retractable roof panel
retractor	823	6	Broken retractor
retractor	829	6	Broken retractor
retrofitted	838	2	Retrofitted air bag
returned	378	6	Returned to roadway
right	208	2	(R) Right Side
right	211	2	(R) Right Side
right	357	1	Roll right - primarily about longitudina
right	375	10	Turning right
right	376	11	Over the lane line on right side of trav
right	379	7	Steering right

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
right	383	2	Curve right
right	514	18	R - Right side
right	526	18	R - Right side
right	554	3	Aft of center of the rear wheels (rear a
right	555	3	Aft of center of the rear wheels (rear a
right	556	3	Aft of center of the rear wheels (rear a
right	557	3	Aft of center of the rear wheels (rear a
right	706	13	Front row - right
right	707	4	Instrument panel right
right	710	13	Front row - right
right	711	4	Instrument panel right
right	714	13	Front row - right
right	715	4	Instrument panel right
right	718	13	Front row - right
right	719	4	Instrument panel right
right	722	13	Front row - right
right	723	4	Instrument panel right
right	726	13	Front row - right
right	727	4	Instrument panel right
right	730	13	Front row - right
right	731	4	Instrument panel right
right	734	13	Front row - right
right	735	4	Instrument panel right
right	738	13	Front row - right
right	739	4	Instrument panel right
right	742	13	Front row - right
right	743	4	Instrument panel right
right	750	8	Right half of rim/spoke
right	812	13	Front seat - right side
right	815	3	Right front
right	910	1	Right
right	915	12	Right instrument panel and below
rim	749	*	RIM/SPOKE DEFORMATION
rim	750	*	RIM/SPOKE DEF LOCATION
rim	915	4	Steering wheel rim
ripped	558	5	Lacerated (ripped)
ripped	559	5	Lacerated (ripped)
road	376	5	Poor road conditions (puddle, pothole, i
roadside	354	4	On roadside or divided trafficway median
roadway	354	1	On roadway
roadway	376	80	Pedestrian in roadway
roadway	378	2	Stayed on roadway but left original trav
roadway	383	*	ROADWAY ALIGNMENT
roadway	384	*	ROADWAY PROFILE
roadway	385	*	ROADWAY SURFACE TYPE
roadway	386	*	ROADWAY SURFACE CONDITION
role	811	*	OCCUPANT'S ROLE
roll	357	*	DIRECTION OF INITIAL ROL
roll-bar	915	208	Roll-bar
rollover	209	31	Overturn - rollover (excludes end-over-e
rollover	352	*	ROLLOVER
rollover	353	*	ROLLOVER INITIATION TYPE
rollover	354	*	LOCATION OF ROLLOVER INI
rollover	355	*	ROLLOVER INIT OBJ CONTAC
rollover	356	0	No rollover
rollover	357	0	No rollover

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
rollover	361	5	Rollover
rollover	507	31	Overturn - rollover (excludes end-over-e
rollover	517	15	O - Rollover (includes side)
rollover	519	31	Overturn - rollover (excludes end-over-e
rollover	529	15	O - Rollover (includes side)
romeo	307	31	Alfa Romeo
roof	309	1	Convertible (excludes sun roof, t-bar)
roof	337	*	ROOF
roof	338	*	OPTIONAL ROOF 1
roof	339	*	OPTIONAL ROOF 2
roof	351	1	Convertible (excludes sun roof, t-bar)
roof	606	4	Roof
roof	612	5	Door support (i.e., pillar, sill, roof s
roof	613	5	Door support (i.e., pillar, sill, roof s
roof	614	5	Door support (i.e., pillar, sill, roof s
roof	615	5	Door support (i.e., pillar, sill, roof s
roof	616	5	Door support (i.e., pillar, sill, roof s
roof	639	*	TYPE OF GLAZING - ROOF
roof	707	13	Roof (or convertible top)
roof	711	13	Roof (or convertible top)
roof	715	13	Roof (or convertible top)
roof	719	13	Roof (or convertible top)
roof	723	13	Roof (or convertible top)
roof	727	13	Roof (or convertible top)
roof	731	13	Roof (or convertible top)
roof	735	13	Roof (or convertible top)
roof	739	13	Roof (or convertible top)
roof	743	13	Roof (or convertible top)
roof	815	7	Roof
roof	816	2	Nonfixed roof structure
roof	915	59	Left side window glass + 1 or more from:
room	908	2	Hospital/medical records other than emer
rotation	377	2	Skidding longitudinally - rotation less
routine	361	1	Reconstruction program - damage only rou
rover	307	62	Land Rover
row	706	11	Front row - left
row	710	11	Front row - left
row	714	11	Front row - left
row	718	11	Front row - left
row	722	11	Front row - left
row	726	11	Front row - left
row	730	11	Front row - left
row	734	11	Front row - left
row	738	11	Front row - left
row	742	11	Front row - left
row	915	164	Center console - first row
royal	309	21	Large van (Sportsman, Royal, Ram, Chevy
royal	351	21	Large van (Sportsman, Royal, Ram, Chevy
ruled	111	2	Fatal - ruled disease
ruled	402	2	Fatal - ruled disease
ruled	864	2	Fatal - ruled disease
ruled	868	96	Fatal - ruled disease
ruled	869	97	Other result (includes fatal ruled disea
ruled	870	97	Other result (includes fatal ruled disea
ruled	871	97	Other result (includes fatal ruled disea
running	340	*	DAYLIGHT RUNNING LIGHTS

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
rupture	920	18	R - Rupture
ruptured	845	2	Ruptured
saab	307	47	Saab
safari	309	20	Minivan (Astro, Caravan, Plymouth Vista,
safari	351	20	Minivan (Astro, Caravan, Plymouth Vista,
safety	821	12	Shoulder belt used with child safety sea
safety	830	6	Child safety seat
safety	857	+	No child safety seat
safety	858	0	No child safety seat
safety	859	0	No child safety seat
safety	860	0	No child safety seat
safety	861	0	No child safety seat
safety	862	0	No child safety seat
safety	915	162	Child safety seat
sag	384	5	Sag
sand	386	5	Sand, dirt or oil
sand-soil-dirt	388	17	Blowing Sand-Soil-Dirt
saturday	108	7	Saturday
saturn	307	24	Saturn
scale	873	*	GLASGOW COMA SCALE SCORE
scene	111	5	Treatment at scene
scene	402	5	Treatment at scene
scene	864	5	Treatment at scene - nontransported
school	207	24	Van based school bus (< or = 4,536 kgs G
school	210	24	Van based school bus (< or = 4,536 kgs G
school	309	24	Van based school bus (< 4,536 kgs GVWR)
school	327	2	Vehicle used as school bus
school	351	24	Van based school bus (< 4,536 kgs GVWR)
school	389	4	School zone sign
scope	361	4	At least one vehicle is beyond the scope
score	873	*	GLASGOW COMA SCALE SCORE
score	878	*	INJURY SEVERITY SCORE
scout	309	15	Large utility (includes Jeep Cherokee, R
scout	351	15	Large utility (includes Jeep Cherokee, R
scraped	558	6	Abraded (scraped)
scraped	559	6	Abraded (scraped)
seam	558	2	Deformed, no seam failure
seam	559	2	Deformed, no seam failure
seat	399	*	AIR BAG DEPLOY 1ST SEAT
seat	400	*	AIR BAG DEPLOY OTH SEAT
seat	707	20	Front seat back
seat	711	20	Front seat back
seat	715	20	Front seat back
seat	719	20	Front seat back
seat	723	20	Front seat back
seat	727	20	Front seat back
seat	731	20	Front seat back
seat	735	20	Front seat back
seat	739	20	Front seat back
seat	743	20	Front seat back
seat	812	*	OCCUPANT's SEAT POSITION
seat	813	1	Kneeling or standing on seat
seat	821	12	Shoulder belt used with child safety sea
seat	830	6	Child safety seat
seat	852	*	SEAT TYPE
seat	853	*	SEAT ORIENTATION

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
seat	854	*	SEAT TRACK
seat	855	*	SEAT BACK INCLINE
seat	856	*	SEAT PERFORMANCE
seat	857	*	CHILD SEAT MAKE/MODEL
seat	858	*	CHILD SEAT TYPE
seat	859	*	CHILD SEAT ORIENTATION
seat	860	*	CHILD SEAT HARNESS USE
seat	861	*	CHILD SEAT SHIELD USE
seat	862	*	CHILD SEAT TETHER USE
seat	915	151	Seat, back support
seatback	915	575	Seatback trays
seated	852	0	Occupant not seated or no seat
seated	853	0	Occupant not seated or no seat
seated	854	0	Occupant not seated or no seat
seated	855	0	Occupant not seated or no seat
seated	856	0	Occupant not seated or no seat
seating	812	99	Unknown seating position
section	750	1	Section A
sedan	309	2	2-door sedan, hardtop, coupe
sedan	351	2	2-door sedan, hardtop, coupe
see	374	2	Looked but did not see
selector	915	7	Steering column, transmission, selector
sensor	401	18	R - Dual air bags front and side / activ
separate	852	4	Bench with separate back cushions
separated	373	6	Separated pole from base
separated	823	4	Upper anchorage separated
separated	829	4	Upper anchorage separated
separation	558	7	Filler neck separation from the fuel tan
separation	559	7	Filler neck separation from the fuel tan
separation	920	7	G - Detachment, separation
september	106	9	September
sequence	205	*	EVENT SEQUENCE NUMBER
sequence	506	*	ACCIDENT SEQUENCE (1)
sequence	518	*	ACCIDENT SEQUENCE (2)
sequence	833	4	Air bag deployed as a result of a noncol
sequence	835	4	Air bag deployed as a result of a noncol
series	331	98	Some vehicles of this series (*)
series	332	98	Some vehicles of this series (*)
series	341	*	VINA SERIES TRUCK
serious	112	3	Serious injury
serious	403	3	Serious injury
serious	819	2	Removed from vehicle due to perceived se
serious	877	3	Serious injury
serious	914	3	Serious injury
seriously	113	*	NUM SERIOUSLY INJ OCC
seriously	404	*	NUM SERIOUSLY INJURED
seventeen	352	17	Rollover - seventeen or more quarter tur
severance	920	5	E - Total severance, transection
severe	112	4	Severe injury
severe	350	998	Not applicable (most severe impact not w
severe	351	98	Not applicable (most severe impact not w
severe	361	8	Severe override
severe	367	8	Severe
severe	388	16	Severe Crosswinds
severe	403	4	Severe injury
severe	877	4	Severe injury

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
severe	914	4	Severe injury
severity	112	7	Injury, unknown severity
severity	403	7	Injury, unknown severity
severity	565	998	No highest severity end plane impact
severity	863	*	INJURY SEVERITY
severity	877	7	Injury, unknown severity
severity	878	*	INJURY SEVERITY SCORE
severity	914	*	AIS SEVERITY
sex	808	*	SEX
sheared	373	2	Cracked/sheared
shell	915	271	Child Seat Shell
shield	858	4	Booster seat - with shield
shield	861	*	CHILD SEAT SHIELD USE
shoulder	354	2	On shoulder - paved
shoulder	820	2	Shoulder belt
shoulder	821	2	Shoulder belt
shoulder	824	*	SHOULDER BELT ANCHOR ADJ
shoulder	830	2	Shoulder belt
shoulder	919	19	S - Shoulder
shroud	915	574	Engine shroud/cover
shrubbery	209	43	Shrubbery or bush
shrubbery	355	43	Shrubbery or bush
shrubbery	507	43	Shrubbery or bush
shrubbery	519	43	Shrubbery or bush
side	208	2	(R) Right Side
side	211	2	(R) Right Side
side	309	12	Large limousine - more than four side do
side	351	12	Large limousine - more than four side do
side	356	2	Side plane
side	376	10	Over the lane line on left side of trave
side	401	2	B - Driver front air bag / passenger sid
side	514	12	L - Left side
side	517	15	O - Rollover (includes side)
side	526	12	L - Left side
side	529	15	O - Rollover (includes side)
side	551	1	Vehicle exterior (front, side, back, top
side	554	2	Aft of center of the rear wheels (rear a
side	555	2	Aft of center of the rear wheels (rear a
side	556	2	Aft of center of the rear wheels (rear a
side	557	2	Aft of center of the rear wheels (rear a
side	606	2	Door (side)
side	612	5	Door support (i.e., pillar, sill, roof s
side	613	5	Door support (i.e., pillar, sill, roof s
side	614	5	Door support (i.e., pillar, sill, roof s
side	615	5	Door support (i.e., pillar, sill, roof s
side	616	5	Door support (i.e., pillar, sill, roof s
side	707	10	Side panel - forward of A-pillar (A1/A2)
side	711	10	Side panel - forward of A-pillar (A1/A2)
side	715	10	Side panel - forward of A-pillar (A1/A2)
side	719	10	Side panel - forward of A-pillar (A1/A2)
side	723	10	Side panel - forward of A-pillar (A1/A2)
side	727	10	Side panel - forward of A-pillar (A1/A2)
side	731	10	Side panel - forward of A-pillar (A1/A2)
side	735	10	Side panel - forward of A-pillar (A1/A2)
side	739	10	Side panel - forward of A-pillar (A1/A2)
side	743	10	Side panel - forward of A-pillar (A1/A2)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
side	812	11	Front seat - left side (driver's side)
side	853	3	Side facing seat (inward)
side	915	15	Windshield +: front header,A-pillar (A1/
sideswipe	118	5	Sideswipe, same direction
sideswipe	361	7	Sideswipe type damage
sideswipe	517	19	S - Sideswipe
sideswipe	529	19	S - Sideswipe
sideways	813	4	Sitting sideways or turned to talk with
sierra	309	31	Large pickup (Jeep Pickup, Comanche, Sil
sierra	351	31	Large pickup (Jeep Pickup, Comanche, Sil
sign	389	2	Stop sign
signal	389	1	Traffic control signal (not RR crossing)
sill	612	5	Door support (i.e., pillar, sill, roof s
sill	613	5	Door support (i.e., pillar, sill, roof s
sill	614	5	Door support (i.e., pillar, sill, roof s
sill	615	5	Door support (i.e., pillar, sill, roof s
sill	616	5	Door support (i.e., pillar, sill, roof s
sill	707	18	Floor pan (includes sill)
sill	711	18	Floor pan (includes sill)
sill	715	18	Floor pan (includes sill)
sill	719	18	Floor pan (includes sill)
sill	723	18	Floor pan (includes sill)
sill	727	18	Floor pan (includes sill)
sill	731	18	Floor pan (includes sill)
sill	735	18	Floor pan (includes sill)
sill	739	18	Floor pan (includes sill)
sill	743	18	Floor pan (includes sill)
sill	915	58	Left side window sill
silverado	309	31	Large pickup (Jeep Pickup, Comanche, Sil
silverado	351	31	Large pickup (Jeep Pickup, Comanche, Sil
single	309	61	Single unit straight truck (4,536 kgs <
single	351	61	Single unit straight truck (4,536 kgs <
sitting	813	3	Kneeling, standing or sitting in front o
sixteen	352	16	Rollover - sixteen quarter turns
size	207	4	Full size (wheelbase => 278 but < 291 cm
size	210	4	Full size (wheelbase => 278 but < 291 cm
skeletal	911	5	Skeletal (includes joints)
skeletal	921	19	S - Skeletal
skidding	377	2	Skidding longitudinally - rotation less
skin	911	9	Skin
skull	919	8	H - Head - skull
slag	385	4	Slag, gravel or stone
sleepy	374	11	Sleepy or fell asleep
sleet	388	13	Sleet/hail
slide-in	309	32	Pickup with slide-in camper
slide-in	351	32	Pickup with slide-in camper
slush	386	3	Snow or slush
smoking	374	14	Smoking related
snow	386	3	Snow or slush
snow	388	14	Snow
snowmobile	309	91	Snowmobile
snowmobile	351	91	Snowmobile
sodium	562	13	Sodium metal chloride battery
sodium	563	13	Sodium metal chloride battery
source	846	*	AB DAMAGE SOURCE
source	908	*	INJURY DATA SOURCE

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
source	915	*	INJURY SOURCE
source	917	7	Injured, unknown source
special	327	*	VEHICLE SPECIAL USE
specific	869	96	Mode of death given but specific injurie
specific	870	96	Mode of death given but specific injurie
specific	871	96	Mode of death given but specific injurie
specific	912	*	SPECIFIC ANATOMIC STRUCT
specified	830	5	Belt used, type not specified
specimen	395	*	OTH DRUG - SPECIMEN TEST
speed	366	*	BARRIER EQUIVALENT SPEED
speed	368	*	SPEED LIMIT (KMPH)
speed	369	*	TRAVEL SPEED (KMPH)
speed	370	*	IMPACT SPEED
speed	376	51	Traveling in same direction with lower s
spinal	921	3	C - Spinal cord
spine	909	6	Spine
spine	919	2	B - Back - thoracolumbar spine
spleen	921	17	Q - Spleen
split	852	6	Split bench with separate back cushions
spoke	749	*	RIM/SPOKE DEFORMATION
spoke	750	*	RIM/SPOKE DEF LOCATION
spoke	915	5	Steering wheel hub/spoke
sportsman	309	21	Large van (Sportsman, Royal, Ram, Chevy
sportsman	351	21	Large van (Sportsman, Royal, Ram, Chevy
sprain	920	19	S - Sprain
stability	377	*	PRE-IMPACT STABILITY
stake	309	40	Cab chassis based (includes rescue vehic
stake	351	40	Cab chassis based (includes rescue vehic
stalled	376	2	Stalled engine
standard	330	2	4 wheel standard
standard	340	19	S - Standard
standing	813	1	Kneeling or standing on seat
starting	375	4	Starting in traffic lane
station	207	16	Utility station wagon (< or = 4,536 kgs
station	210	16	Utility station wagon (< or = 4,536 kgs
station	309	6	Station Wagon (excluding van and truck b
station	351	6	Station Wagon (excluding van and truck b
status	641	*	WIN PRECRASH STAT - WS
status	642	*	WIN PRECRASH STAT - LF
status	643	*	WIN PRECRASH STAT - RF
status	644	*	WIN PRECRASH STAT - LR
status	645	*	WIN PRECRASH STAT - RR
status	646	*	WIN PRECRASH STAT - BL
status	647	*	WIN PRECRASH STAT - RO
status	648	*	WIN PRECRASH STAT - OT
status	817	*	MEDIUM STATUS
statutory	368	0	No statutory limit
stay	866	*	HOSPITAL STAY
stayed	378	1	Stayed in original travel lane
steady	376	51	Traveling in same direction with lower s
steering	379	6	Steering left
steering	707	1	Steering assembly
steering	711	1	Steering assembly
steering	715	1	Steering assembly
steering	719	1	Steering assembly
steering	723	1	Steering assembly

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
steering	727	1	Steering assembly
steering	731	1	Steering assembly
steering	735	1	Steering assembly
steering	739	1	Steering assembly
steering	743	1	Steering assembly
steering	746	*	STEERING COLUMN TYPE
steering	747	*	STEERING COLUMN TILT
steering	748	*	STEERING COLUMN TELESCOP
steering	749	0	No steering rim deformation
steering	750	0	No steering rim deformation
steering	915	4	Steering wheel rim
step	309	22	Step van or walk-in van (< 4,536 kgs GVW
step	351	22	Step van or walk-in van (< 4,536 kgs GVW
sterling	307	61	Sterling
stone	385	4	Slag, gravel or stone
stopped	369	0	Stopped vehicle or traveling less than 0
stopped	375	5	Stopped in traffic lane
stopped	376	50	Other vehicle stopped
storage	915	302	Backlight storage rack, door, etc.
straight	208	4	(B) Back or TDC: back of unit with cargo
straight	211	4	(B) Back or TDC: back of unit with cargo
straight	309	61	Single unit straight truck (4,536 kgs <
straight	351	61	Single unit straight truck (4,536 kgs <
straight	375	1	Going straight
straight	383	1	Straight
strain	920	20	T - Strain
stratrum	119	*	PSU STRATRUM
street	376	65	From crossing street - turning into same
stretched	309	12	Large limousine - more than four side do
stretched	351	12	Large limousine - more than four side do
stretched	823	2	Torn webbing (stretched webbing not incl
stretched	829	2	Torn webbing (stretched webbing not incl
striker	612	2	Latch/striker failure due to damage
striker	613	2	Latch/striker failure due to damage
striker	614	2	Latch/striker failure due to damage
striker	615	2	Latch/striker failure due to damage
striker	616	2	Latch/striker failure due to damage
striking	915	513	Other exterior of striking vehicle
strip	381	1	Divided trafficway-median strip without
structure	517	1	A - Overhanging structure
structure	529	1	A - Overhanging structure
structure	612	4	Door structure failure due to damage
structure	613	4	Door structure failure due to damage
structure	614	4	Door structure failure due to damage
structure	615	4	Door structure failure due to damage
structure	616	4	Door structure failure due to damage
structure	816	2	Nonfixed roof structure
structure	817	3	Integral structure
structure	911	*	TYPE OF ANATOMIC STRUCT
structure	912	*	SPECIFIC ANATOMIC STRUCT
student	309	50	School bus (designed to carry students,
student	351	50	School bus (designed to carry students,
style	309	39	Unknown (pickup style) light conventiona
style	351	39	Unknown (pickup style) light conventiona
subaru	307	48	Subaru
subcompact	207	1	Subcompact/mini (wheelbase < 254 cm)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
subcompact	210	1	Subcompact/mini (wheelbase < 254 cm)
submit	105	*	NUM GEN VEH FORMS SUBMIT
suburban	309	16	Utility station wagon (Chevy Suburban,GM
suburban	351	16	Utility station wagon (Chevy Suburban,GM
successful	375	17	Successful avoidance maneuver to a previ
sulfur	562	14	Sodium sulfur battery
sulfur	563	14	Sodium sulfur battery
summary	908	2	Hospital/medical records other than emer
sun	309	1	Convertible (excludes sun roof, t-bar)
sun	337	2	Manual sun / moon roof
sun	338	2	Manual sun / moon roof
sun	339	2	Manual sun / moon roof
sun	351	1	Convertible (excludes sun roof, t-bar)
sunday	108	1	Sunday
sunglasses	850	2	Eyeglasses/sunglasses
sunroof	915	207	Sunroof/components
sunvisor	915	3	Sunvisor
super	335	26	Z - Unknown super charged
superior	910	7	Superior
support	612	5	Door support (i.e., pillar, sill, roof s
support	613	5	Door support (i.e., pillar, sill, roof s
support	614	5	Door support (i.e., pillar, sill, roof s
support	615	5	Door support (i.e., pillar, sill, roof s
support	616	5	Door support (i.e., pillar, sill, roof s
support	915	151	Seat, back support
supported	852	8	Pedestal (i.e., column supported)
surface	385	*	ROADWAY SURFACE TYPE
surface	386	*	ROADWY SURFACE CONDITION
surface	707	31	Outside surface of this vehicle
surface	711	31	Outside surface of this vehicle
surface	715	31	Outside surface of this vehicle
surface	719	31	Outside surface of this vehicle
surface	723	31	Outside surface of this vehicle
surface	727	31	Outside surface of this vehicle
surface	731	31	Outside surface of this vehicle
surface	735	31	Outside surface of this vehicle
surface	739	31	Outside surface of this vehicle
surface	743	31	Outside surface of this vehicle
surface	813	7	Bracing with feet or hands on a surface
surface	915	51	Left side interior surface (excluding ha
suzuki	307	53	Suzuki
swamp	309	90	ATV (all terrain vehicle including dune/
swamp	351	90	ATV (all terrain vehicle including dune/
switch	401	21	U - Dual front air bag / active belts w/
switches	915	409	Additional or relocated switches (specif
system	401	3	C - Dual front air bags / belt system un
system	551	2	Exhaust system
system	564	1	Yes, no damage to any tank or filler cap
system	826	*	AUTO (PASSIV) SYSTEM USE
system	827	*	AUTO BELT SYSTEM TYPE
system	836	*	AIR BAG SYSTEM FAILURE
system	838	1	Original manufacturer installed system
system	915	154	Other restraint system component
system	921	*	OIC - SYSTEM ORGAN
tailgate	707	26	Back door/panel (e.g. tailgate)
tailgate	711	26	Back door/panel (e.g. tailgate)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
tailgate	715	26	Back door/panel (e.g. tailgate)
tailgate	719	26	Back door/panel (e.g. tailgate)
tailgate	723	26	Back door/panel (e.g. tailgate)
tailgate	727	26	Back door/panel (e.g. tailgate)
tailgate	731	26	Back door/panel (e.g. tailgate)
tailgate	735	26	Back door/panel (e.g. tailgate)
tailgate	739	26	Back door/panel (e.g. tailgate)
tailgate	743	26	Back door/panel (e.g. tailgate)
tailgate	816	1	Door/hatch/tailgate
talk	813	4	Sitting sideways or turned to talk with
talking	374	5	While talking or listening to cellular p
tank	551	3	Fuel tank (and other fuel retention syst
tank	552	*	TYPE OF FUEL TANK 1
tank	553	*	TYPE OF FUEL TANK 2
tank	554	*	FUEL TANK 1 LOCATION
tank	555	*	FUEL TANK 2 LOCATION
tank	556	*	FUEL TANK 1 FILLER CAP
tank	557	*	FUEL TANK 2 FILLER CAP
tank	558	*	FUEL TANK 1 DAMAGE
tank	559	*	FUEL TANK 2 DAMAGE
tank	560	0	No fuel tank
tank	561	0	No fuel tank
tank	562	0	No fuel tank
tank	563	0	No fuel tank
tank	564	*	MORE THAN 2 FUEL TANKS
tape	915	9	Add-on equipment (e.g., tape deck, air c
taxi	327	1	Taxi
t-bar	309	1	Convertible (excludes sun roof, t-bar)
t-bar	351	1	Convertible (excludes sun roof, t-bar)
tdc	208	4	(B) Back or TDC: back of unit with cargo
tdc	211	4	(B) Back or TDC: back of unit with cargo
tdc	508	13	Intra-unit force (TDC only)
tdc	513	10	Extent zone 0A (TDC ONLY)
tdc	520	13	Intra-unit force (TDC only)
tdc	525	10	Extent zone 0A (TDC ONLY)
tear	843	3	Deployed, unknown if flap(s) opened at d
technology	756	*	ADAPTIVE TECHNOLOGY
telephone	915	8	Cellular telephone or CB radio
telescoping	746	3	Telescoping column
telescoping	748	*	STEERING COLUMN TELESCOP
tempered	633	2	AS-2 - Tempered
tempered	634	2	AS-2 - Tempered
tempered	635	2	AS-2 - Tempered
tempered	636	2	AS-2 - Tempered
tempered	637	2	AS-2 - Tempered
tempered	638	2	AS-2 - Tempered
tempered	639	2	AS-2 - Tempered
tempered	640	2	AS-2 - Tempered
tempered-tinted	633	3	AS-3 - Tempered-tinted (original)
tempered-tinted	634	3	AS-3 - Tempered-tinted (original)
tempered-tinted	635	3	AS-3 - Tempered-tinted (original)
tempered-tinted	636	3	AS-3 - Tempered-tinted (original)
tempered-tinted	637	3	AS-3 - Tempered-tinted (original)
tempered-tinted	638	3	AS-3 - Tempered-tinted (original)
tempered-tinted	639	3	AS-3 - Tempered-tinted (original)
tempered-tinted	640	3	AS-3 - Tempered-tinted (original)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
term	808	6	Female - pregnant - term unknown
terrain	309	90	ATV (all terrain vehicle including dune/
terrain	351	90	ATV (all terrain vehicle including dune/
territories	396	1	Driver not a resident of U.S. or territo
test	393	*	ALCOHOL TEST RESULT
test	395	*	OTH DRUG - SPECIMEN TEST
tether	862	*	CHILD SEAT TETHER USE
tethered	847	*	AB TETHERED
thermal	846	6	Thermal burns
thigh	919	20	T - Thigh
thing	309	14	Compact utility (includes Jeep CJ-2 thru
thing	351	14	Compact utility (includes Jeep CJ-2 thru
thirteen	352	13	Rollover - thirteen quarter turns
thoracolumbar	919	2	B - Back - thoracolumbar spine
thorax	909	4	Thorax
three-wheel	309	13	Three-wheel automobile or automobile der
three-wheel	351	13	Three-wheel automobile or automobile der
thursday	108	5	Thursday
thyroid	921	20	T - Thyroid, other endocrine gland
tie-downs	915	407	Wheelchair tie-downs
tilt	746	2	Tilt column
tilt	747	*	STEERING COLUMN TILT
tilted	373	3	Tilted < 45 degrees
time	109	*	ACCIDENT TIME
time	819	1	Removed from vehicle while unconscious o
time	868	*	TIME TO DEATH
tint	633	4	AS-2 - Tempered-tinted after market tint
tint	634	4	AS-2 - Tempered-tinted after market tint
tint	635	4	AS-2 - Tempered-tinted after market tint
tint	636	4	AS-2 - Tempered-tinted after market tint
tint	637	4	AS-2 - Tempered-tinted after market tint
tint	638	4	AS-2 - Tempered-tinted after market tint
tint	639	4	AS-2 - Tempered-tinted after market tint
tint	640	4	AS-2 - Tempered-tinted after market tint
tinted	633	12	AS-2 - Laminated and Tinted
tinted	634	12	AS-2 - Laminated and Tinted
tinted	635	12	AS-2 - Laminated and Tinted
tinted	636	12	AS-2 - Laminated and Tinted
tinted	637	12	AS-2 - Laminated and Tinted
tinted	638	12	AS-2 - Laminated and Tinted
tinted	639	12	AS-2 - Laminated and Tinted
tinted	640	12	AS-2 - Laminated and Tinted
tire	356	1	Wheels/tires
tire	376	1	Blow out or flat tire
tire	915	453	Other exterior surface or tires
toddler	858	2	Toddler seat
toe	707	5	Toe pan
toe	711	5	Toe pan
toe	715	5	Toe pan
toe	719	5	Toe pan
toe	723	5	Toe pan
toe	727	5	Toe pan
toe	731	5	Toe pan
toe	735	5	Toe pan
toe	739	5	Toe pan
toe	743	5	Toe pan

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
toe	915	251	Floor including toe pan
top	208	8	(T) Top
top	211	8	(T) Top
top	514	20	T - Top
top	526	20	T - Top
top	551	1	Vehicle exterior (front, side, back, top
top	707	13	Roof (or convertible top)
top	711	13	Roof (or convertible top)
top	715	13	Roof (or convertible top)
top	719	13	Roof (or convertible top)
top	723	13	Roof (or convertible top)
top	727	13	Roof (or convertible top)
top	731	13	Roof (or convertible top)
top	735	13	Roof (or convertible top)
top	739	13	Roof (or convertible top)
top	743	13	Roof (or convertible top)
top	915	205	Roof or convertible top
torn	823	2	Torn webbing (stretched webbing not incl
torn	829	2	Torn webbing (stretched webbing not incl
torn	845	4	Torn
total	361	*	BASIS FOR TOTAL DELTA-V
total	362	*	TOTAL DELTA-V
total	920	5	E - Total severance, transection
tow	309	40	Cab chassis based (includes rescue vehic
tow	351	40	Cab chassis based (includes rescue vehic
towed	323	0	Not towed due to vehicle damage
towed	326	*	TOWED TRAILING UNIT
towed	547	0	Not towed due to vehicle damage
toyota	307	49	Toyota
toyota	309	30	Compact pickup (Ram 50, Dakota, Arrow Pi
toyota	351	30	Compact pickup (Ram 50, Dakota, Arrow Pi
track	567	*	ORIGINAL AVE. TRACK WID.
track	826	2	Automatic belt not in use (manually disc
track	854	*	SEAT TRACK
track	856	4	Seat track/anchors failed
tracking	377	1	Tracking
tractor	207	67	Tractor without trailer
tractor	208	5	(D) Back (rear of tractor)
tractor	210	67	Tractor without trailer
tractor	211	5	(D) Back (rear of tractor)
tractor-trailer	207	68	Tractor-trailer(s)
tractor-trailer	210	68	Tractor-trailer(s)
traffic	209	54	Concrete traffic barrier
traffic	355	54	Concrete traffic barrier
traffic	375	2	Decelerating in traffic lane
traffic	389	*	TRAFFIC CONTROL DEVICE
traffic	390	0	No traffic control device
traffic	507	54	Concrete traffic barrier
traffic	519	54	Concrete traffic barrier
trafficway	354	4	On roadside or divided trafficway median
trafficway	381	*	TRAFFICWAY FLOW
trafficway-median	381	1	Divided trafficway-median strip without
trailduster	309	15	Large utility (includes Jeep Cherokee, R
trailduster	351	15	Large utility (includes Jeep Cherokee, R
trailer	207	67	Tractor without trailer
trailer	208	4	(B) Back or TDC: back of unit with cargo

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
trailer	209	78	Trailer, disconnected in transport
trailer	210	67	Tractor without trailer
trailer	211	4	(B) Back or TDC: back of unit with cargo
trailer	309	67	Truck-tractor with no cargo trailer
trailer	351	67	Truck-tractor with no cargo trailer
trailer	355	78	Trailer, disconnected in transport
trailer	507	78	Trailer, disconnected in transport
trailer	519	78	Trailer, disconnected in transport
trailing	326	*	TOWED TRAILING UNIT
train	209	77	Train
train	355	77	Train
train	507	77	Train
train	519	77	Train
trajectory	361	2	Reconstruction program - damage and traj
trajectory	370	998	Trajectory algorithm
trajectory	372	*	TRAJECTORY DATA DOC
transection	920	5	E - Total severance, transection
transit	309	50	School bus (designed to carry students,
transit	351	50	School bus (designed to carry students,
translated	208	98	(?) Not translated
translated	211	98	(?) Not translated
transmission	915	7	Steering column, transmission, selector
transport	118	0	Not collision with vehicle in transport
transport	209	78	Trailer, disconnected in transport
transport	355	78	Trailer, disconnected in transport
transport	507	78	Trailer, disconnected in transport
transport	519	78	Trailer, disconnected in transport
transported	111	4	Transported and released
transported	402	4	Transported and released
transported	864	4	Transported and released
trauma	865	1	Trauma center
travel	369	*	TRAVEL SPEED (KMPH)
travel	375	7	Disabled or parked in travel lane
travel	376	10	Over the lane line on left side of trave
travel	378	1	Stayed in original travel lane
travel	382	*	NUMBER OF TRAVEL LANES
travelall	309	16	Utility station wagon (Chevy Suburban,GM
travelall	351	16	Utility station wagon (Chevy Suburban,GM
traveling	369	0	Stopped vehicle or traveling less than 0
traveling	376	6	Traveling too fast for conditions
trays	915	575	Seatback trays
treated	111	8	Transported to a medical facility - unkn
treated	864	8	Transported to a medical facility - unkn
treated	865	0	Not treated at a medical facility
treated	873	1	Injured - not treated at medical facilit
treatment	111	*	MAXIMUM TREATMENT
treatment	402	*	MAXIMUM TREATMENT
treatment	864	*	TREATMENT/MORTALITY
treatment	865	5	Treatment later at medical facility
tree	209	41	Tree (< or = 10 cm in diameter)
tree	355	41	Tree (< or = 10 centimeters in diameter)
tree	373	*	POST COLL TREE/POLE COND
tree	507	41	Tree (< or = 10 cm in diameter)
tree	519	41	Tree (< or = 10 cm in diameter)
trimester	808	3	Female - pregnant - 1st trimester (1st-3
trip	356	*	PRIN TRIP FORCE APPLIED

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
trip-over	353	1	Trip-over
triumph	307	50	Triumph
truck	207	30	Compact Pickup truck (< or = 4,536 kgs G
truck	208	4	(B) Back or TDC: back of unit with cargo
truck	209	70	Passenger car, light truck, van or other
truck	210	30	Compact Pickup truck (< or = 4,536 kgs G
truck	211	4	(B) Back or TDC: back of unit with cargo
truck	309	6	Station Wagon (excluding van and truck b
truck	327	7	Fire truck or car
truck	328	0	No override/underride, or not an end-ove
truck	329	0	No override/underride, or not end-over-e
truck	341	*	VINA SERIES TRUCK
truck	342	20	T - Truck
truck	348	*	TRUCK WEIGHT CODE
truck	351	6	Station Wagon (excluding van and truck b
truck	355	70	Passenger car, light truck, van or other
truck	507	70	Passenger car, light truck, van or other
truck	519	70	Passenger car, light truck, van or other
truck-tractor	309	67	Truck-tractor with no cargo trailer
truck-tractor	351	67	Truck-tractor with no cargo trailer
trunk	551	5	Cargo/trunk compartment
tuesday	108	3	Tuesday
turbo	335	3	C - 1 barrel turbo
turned	813	4	Sitting sideways or turned to talk with
turning	375	10	Turning right
turning	376	15	Turning left at intersection
turn-over	353	3	Turn-over
turn-over	355	31	Turn-over - fall-over
twelve	352	12	Rollover - twelve quarter turns
unable	401	14	N - If unable to determine
unconscious	819	1	Removed from vehicle while unconscious o
undeformed	565	*	UNDEFORMED END WIDTH
under	348	1	6,000 lbs & under
under	819	4	Exited from vehicle under own power
undercarriage	208	9	(U) Undercarriage
undercarriage	211	9	(U) Undercarriage
undercarriage	356	4	Undercarriage
undercarriage	514	21	U - Undercarriage
undercarriage	526	21	U - Undercarriage
undercarriage	915	511	Undercarriage
underride	328	*	FRONT OVERRIDE/UNDERRIDE
underride	329	*	REAR OVERRIDE/UNDERRIDE
undetermined	750	10	Undetermined location
unenclosed	812	97	In or on unenclosed area
unit	208	4	(B) Back or TDC: back of unit with cargo
unit	211	4	(B) Back or TDC: back of unit with cargo
unit	309	61	Single unit straight truck (4,536 kgs <
unit	326	*	TOWED TRAILING UNIT
unit	351	61	Single unit straight truck (4,536 kgs <
unit	874	2	Yes - Blood given (specify units)
unit	915	404	Low effort power steering (unit or devic
unlisted	707	98	Intrusion of unlisted component(s)
unlisted	711	98	Intrusion of unlisted component(s)
unlisted	715	98	Intrusion of unlisted component(s)
unlisted	719	98	Intrusion of unlisted component(s)
unlisted	723	98	Intrusion of unlisted component(s)

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
unlisted	727	98	Intrusion of unlisted component(s)
unlisted	731	98	Intrusion of unlisted component(s)
unlisted	735	98	Intrusion of unlisted component(s)
unlisted	739	98	Intrusion of unlisted component(s)
unlisted	743	98	Intrusion of unlisted component(s)
unpaved	354	3	On shoulder - unpaved
unspecified	909	9	Unspecified
untreatable	112	6	Maximum (untreatable) injury
untreatable	403	6	Maximum (untreatable) injury
untreatable	877	6	Maximum (untreatable) injury
untreatable	914	6	Maximum (untreatable)
uphill	384	2	Uphill grade (> 2%)
upper	750	5	Upper half of rim/spoke
upper	823	4	Upper anchorage separated
upper	824	1	No upper anchorage adjustment for manual
upper	829	4	Upper anchorage separated
upper	909	7	Upper Extremity
upper	919	1	A - Arm (upper)
upright	824	2	In full upright position
upright	855	24	Moved to upright position
uprooted	373	5	Uprooted tree
urogenital	921	7	G - Urogenital
utility	207	14	Compact utility vehicle
utility	210	14	Compact utility vehicle
utility	309	14	Compact utility (includes Jeep CJ-2 thru
utility	351	14	Compact utility (includes Jeep CJ-2 thru
u-turn	375	12	Making U-turn
van	207	21	Large van (< or = 4,536 kgs GVWR)
van	209	70	Passenger car, light truck, van or other
van	210	21	Large van (< or = 4,536 kgs GVWR)
van	309	6	Station Wagon (excluding van and truck b
van	351	6	Station Wagon (excluding van and truck b
van	355	70	Passenger car, light truck, van or other
van	507	70	Passenger car, light truck, van or other
van	519	70	Passenger car, light truck, van or other
van	852	9	Box mounted seat (i.e., van type)
vein	921	1	A - Arteries - veins
vent	560	6	Vent/emission recovery
vent	561	6	Vent/emission recovery
vent	848	*	AIR BAG VENT PORTS
version	104	*	VERSION NUMBER
version	204	*	VERSION NUMBER
version	304	*	VERSION NUMBER
version	504	*	VERSION NUMBER
version	604	*	VERSION NUMBER
version	704	*	VERSION NUMBER
version	804	*	VERSION NUMBER
version	904	*	VERSION NUMBER
vertebrae	921	22	V - Vertebrae
vertical	511	*	VERT/LAT LOCATION (1)
vertical	516	*	VERT/LAT LOC (1)-NUMERIC
vertical	523	*	VERT/LAT LOCATION (2)
vertical	528	*	VERT/LAT LOC (2)-NUMERIC
vertical	709	1	Vertical
vertical	713	1	Vertical
vertical	717	1	Vertical

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
vertical	721	1	Vertical
vertical	725	1	Vertical
vertical	729	1	Vertical
vertical	733	1	Vertical
vertical	737	1	Vertical
vertical	741	1	Vertical
vertical	745	1	Vertical
vessels	911	2	Vessels
vin	310	*	VIN
vin	311	*	VIN - CHARACTER #1
vin	312	*	VIN - CHARACTER #2
vin	313	*	VIN - CHARACTER #3
vin	314	*	VIN - CHARACTER #4
vin	315	*	VIN - CHARACTER #5
vin	316	*	VIN - CHARACTER #6
vin	317	*	VIN - CHARACTER #7
vin	318	*	VIN - CHARACTER #8
vin	319	*	VIN - CHARACTER #9
vin	320	*	VIN - CHARACTER #10
vin	321	*	VIN LENGTH
vin	343	*	VIN VEH WEIGHT - CAR
vin	344	*	VIN MODEL CARS
vin	345	*	VIN BODY TYPE
vin	346	*	VIN MAKE
vin	347	*	VIN MODEL YEAR
vina	341	*	VINA SERIES TRUCK
vista	309	20	Minivan (Astro, Caravan, Plymouth Vista,
vista	351	20	Minivan (Astro, Caravan, Plymouth Vista,
volkswagen	307	30	Volkswagen
volvo	307	51	Volvo
wagon	207	16	Utility station wagon (< or = 4,536 kgs
wagon	210	16	Utility station wagon (< or = 4,536 kgs
wagon	309	6	Station Wagon (excluding van and truck b
wagon	351	6	Station Wagon (excluding van and truck b
wagoneer	309	16	Utility station wagon (Chevy Suburban,GM
wagoneer	351	16	Utility station wagon (Chevy Suburban,GM
walk-in	309	22	Step van or walk-in van (< 4,536 kgs GVW
walk-in	351	22	Step van or walk-in van (< 4,536 kgs GVW
walk-in	908	4	Private physician - walk-in or emergency
wall	209	58	Wall
wall	355	58	Wall
wall	507	58	Wall
wall	519	58	Wall
wall	915	411	Wall mounted head rest (used behind whee
warning	389	6	Warning sign (not RR crossing)
webbing	823	2	Torn webbing (stretched webbing not incl
webbing	829	2	Torn webbing (stretched webbing not incl
webbing	915	152	Belt restraint webbing/buckle
wednesday	108	4	Wednesday
week	108	*	ACCIDENT DAY OF WEEK
weight	324	*	VEHICLE CURB WEIGHT
weight	325	*	VEHICLE CARGO WEIGHT
weight	343	*	VIN VEH WEIGHT - CAR
weight	348	*	TRUCK WEIGHT CODE
weight	350	*	WEIGHT - OTHER VEHICLE
weight	810	*	WEIGHT

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
wet	386	2	Wet
wheel	330	2	4 wheel standard
wheel	331	*	FOUR WHEEL DRIVE
wheel	332	*	FRONT WHEEL DRIVE
wheel	333	*	FRONT/REAR WHEEL DRIVE
wheel	334	*	# WHEELS/# DRIVE WHEELS
wheel	356	1	Wheels/tires
wheel	376	3	Disabling vehicle failure (e.g. wheel fe
wheel	554	1	Aft of center of the rear wheels (rear a
wheel	555	1	Aft of center of the rear wheels (rear a
wheel	556	2	Aft of center of the rear wheels (rear a
wheel	557	2	Aft of center of the rear wheels (rear a
wheel	750	9	Complete steering wheel collapse
wheel	915	4	Steering wheel rim
wheelbase	207	1	Subcompact/mini (wheelbase < 254 cm)
wheelbase	210	1	Subcompact/mini (wheelbase < 254 cm)
wheelbase	548	*	ORIGINAL WHEELBASE
wheelchair	915	407	Wheelchair tie-downs
white	307	82	Freightliner/White Freightliner/White
white	397	1	White
whole	910	0	Whole region
whole	911	1	Whole Area
whole	919	9	I - N + B - Whole Spine
wide	517	23	W - Wide impact area
wide	529	23	W - Wide impact area
width	565	*	UNDEFORMED END WIDTH
width	566	*	DIRECT DAMAGE WIDTH
width	567	*	ORIGINAL AVE. TRACK WID.
window	606	6	Side window
window	641	*	WIN PRECRASH STAT - WS
window	642	*	WIN PRECRASH STAT - LF
window	643	*	WIN PRECRASH STAT - RF
window	644	*	WIN PRECRASH STAT - LR
window	645	*	WIN PRECRASH STAT - RR
window	646	*	WIN PRECRASH STAT - BL
window	647	*	WIN PRECRASH STAT - RO
window	648	*	WIN PRECRASH STAT - OT
window	707	17	Window frame
window	711	17	Window frame
window	715	17	Window frame
window	719	17	Window frame
window	723	17	Window frame
window	727	17	Window frame
window	731	17	Window frame
window	735	17	Window frame
window	739	17	Window frame
window	743	17	Window frame
window	813	4	Sitting sideways or turned to talk with
window	915	56	Left side window glass
windshield	606	1	Windshield
windshield	707	15	Windshield
windshield	711	15	Windshield
windshield	715	15	Windshield
windshield	719	15	Windshield
windshield	723	15	Windshield
windshield	727	15	Windshield

CDS 2007 Index (continued)

Item	Var	CV	Variable Name or Code Value
windshield	731	15	Windshield
windshield	735	15	Windshield
windshield	739	15	Windshield
windshield	743	15	Windshield
windshield	815	1	Windshield
windshield	915	1	Windshield
working	867	*	WORKING DAYS LOST
worn	846	2	Object worn by occupant
worn	850	*	EYEWEAR WORN
wrist	919	23	W - Wrist - hand
x-rays	908	3	Emergency room records only (including a
yamaha	307	76	Yamaha
year	107	*	ACCIDENT YEAR
year	306	*	MODEL YEAR
year	347	*	VIN MODEL YEAR
year	807	0	Up to one year
yield	389	3	Yield sign
yielding	361	9	Yielding object
yugo	307	57	Yugo
zip	396	*	DRIVER'S ZIP CODE
zone	389	4	School zone sign
zone	513	1	Extent zone 1
zone	525	1	Extent zone 1
2-door	309	2	2-door sedan, hardtop, coupe
2-door	351	2	2-door sedan, hardtop, coupe
3-door	309	3	3-door/2-door hatchback
3-door	351	3	3-door/2-door hatchback
4-door	309	4	4-door sedan, hardtop
4-door	351	4	4-door sedan, hardtop
5-door	309	5	5-door/4-door hatchback
5-door	351	5	5-door/4-door hatchback
75mph	368	121	121 kmph (75mph)

CDS

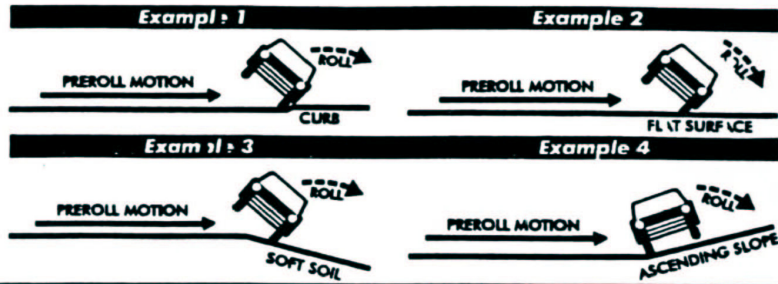
APPENDIX A

Code Values for Variable 353

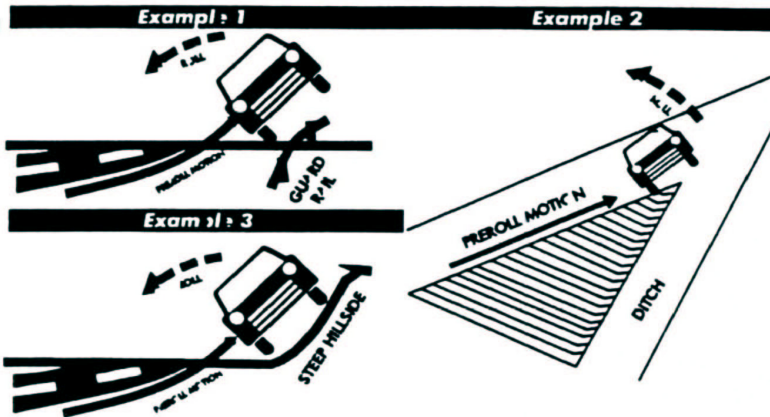
"Rollover Initiation Type"

CODING GUIDE FOR ROLLOVER INITIATION TYPES

01 Trip-Over: Vehicle lateral motion is resisted by opposing force, inducing roll moment.



02 Flip-Over: Forward-moving vehicle is vigorously rotated about its longitudinal axis by ramp-like object such as a guardrail taper or ditch back slope.



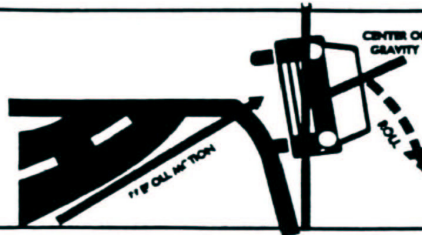
03 Turn Over: Centrifugal forces from a sharply turning or rotating vehicle produce a rollover moment when resisted by surface friction.



04 Climb-Over: Vehicle climbs up and over fixed object such as barrier.



05 Fall-Over: Vehicle is tipped by slope so that its center of gravity is outboard of its wheels.



06 Bounce-Over: Any case where vehicle rebounds off fixed object (such as a guardrail), overturns as a consequence.



CDS

APPENDIX B

Code Values for Variable 371

"Accident Type"

Category	Configuration	ACCIDENT TYPES (Includes Intent)						
I Single Driver	A Right Roadside Departure	01 DRIVE OFF ROAD	02 CONTROL/ TRACTION LOSS	03 AVOID COLLISION WITH VEH., PED., ANIM.	04 SPECIFICS OTHER	05 SPECIFICS UNKNOWN		
	B Left Roadside Departure	06 DRIVE OFF ROAD	07 CONTROL/ TRACTION LOSS	08 AVOID COLLISION WITH VEH., PED., ANIM.	09 SPECIFICS OTHER	10 SPECIFICS UNKNOWN		
	C Forward Impact	11 PARKED VEH.	12 STA. OBJECT	13 PEDESTRIAN/ ANIMAL	14 END DEPARTURE	15 SPECIFICS OTHER	16 SPECIFICS UNKNOWN	
II Same Trafficway Same Direction	D Rear-End	20 STOPPED 21, 22, 23	22 SLOWER 24, 25, 26, 27	24 DECEL. 28, 29, 30, 31	26 AVOID COLLISION WITH VEH.	28 AVOID COLLISION WITH OBJECT	(EACH • 32) SPECIFICS OTHER	(EACH • 33) SPECIFICS UNKNOWN
	E Forward Impact	34 CONTROL/ TRACTION LOSS	36 CONTROL/ TRACTION LOSS	38 AVOID COLLISION WITH VEH.	40 AVOID COLLISION WITH OBJECT	(EACH • 42) SPECIFICS OTHER	(EACH • 43) SPECIFICS UNKNOWN	
	F Sideswipe Angle	44 45	46 45 47	(EACH • 48) SPECIFICS OTHER	(EACH • 49) SPECIFICS UNKNOWN			
III Same Trafficway Opposite Direction	G Head-On	50 LATERAL MOVE	51 (EACH • 52) SPECIFICS OTHER	(EACH • 53) SPECIFICS UNKNOWN				
	H Forward Impact	54 CONTROL/ TRACTION LOSS	56 CONTROL/ TRACTION LOSS	58 AVOID COLLISION WITH VEH.	60 AVOID COLLISION WITH OBJECT	(EACH • 62) SPECIFICS OTHER	(EACH • 63) SPECIFICS UNKNOWN	
	I Sideswipe Angle	64 LATERAL MOVE	65 (EACH • 66) SPECIFICS OTHER	(EACH • 67) SPECIFICS UNKNOWN				
IV Change Trafficway Vehicle Turning	J Turn Across Path	68 INITIAL OPPOSITE DIRECTIONS	70 INITIAL SAME DIRECTIONS	72 73	(EACH • 74) SPECIFICS OTHER	(EACH • 75) SPECIFICS UNKNOWN		
	K Turn Into Path	77 TURN INTO SAME DIRECTION	79 TURN INTO OPPOSITE DIRECTIONS	81 80	82 83	(EACH • 84) SPECIFICS OTHER	(EACH • 85) SPECIFICS UNKNOWN	
V Intersecting Paths (Vehicle Damage)	L Straight Paths	87 86	88 89	(EACH • 90) SPECIFICS OTHER	(EACH • 91) SPECIFICS UNKNOWN			
VI Miscellaneous	M Backing Etc	82 BACKING VEH.	83 OTHER VEH. OR OBJECT	98 Other Accident Type	99 Unknown Accident Type	00 No Impact		

