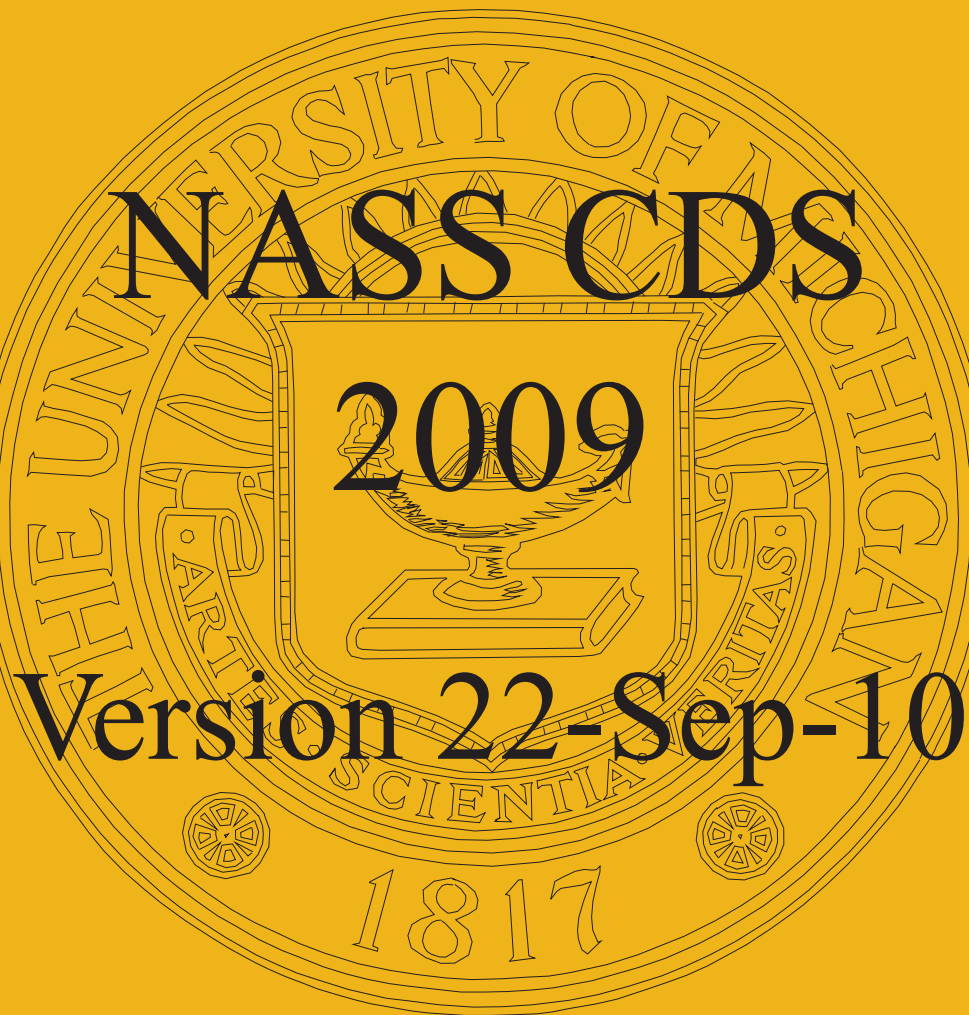


Transportation Data Center
Data Set Codebook

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The University of Michigan
Transportation Research Institute

NASS Crashworthiness Data System (CDS)

2009 Code Book - Version 22Sep10

Introduction

This code book documents data sets describing a sample of motor vehicle crashes that occurred in the USA during calendar year 2009. These sets represent the NASS Crashworthiness Data System distribution files dated September 22, 2010. 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.

Significant changes were made in 2009 to the data elements collected. Vehicles with model years prior to 2000 had limited occupant data collected, we have added new "not collected" values to most variables affected. New datasets, SEATLOC, BAGSEAT and AIRBAG, were also created that document all seating positions and airbags regardless of occupancy. We have captured the variables from these datasets for seat positions which were occupied and included them in the occupant dataset.

The 2009 CDS data represents a statistical sample of motor-vehicle crashes whose collection methodology was designed to assist in studies directed toward a determination of vehicle crashworthiness.

Primary program goals include:

- 1) A focus on crashes 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 crashes with more serious injuries.

- 4) Cases are limited to those with a towed vehicle.

The data are a sample of the 2009 motor vehicle crashes for which candidate crashes were chosen with varying probabilities according to a scheme detailed in the Coding and Editing Manual.¹ The coding manual provides detailed information on the interpretation and coding protocol for each information element. NHTSA also provides an Analytical User's Manual² with additional insight on properly using the data.

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

- 1) Accident - One record for each crash describing general crash parameters;
- 2) Accident Event Sequence - One record for each event in the crash describing vehicle/vehicle or vehicle/object contacts in sequence;
- 3) General Vehicle - One record for each vehicle in the crash 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.
- 9) Airbag - one record for each airbag in the vehicle.

¹ National Center for Statistics and Analysis, National Automotive Sampling System, Crashworthiness Data System, 2009 Coding and Editing Manual, January 2009.

² National Center for Statistics and Analysis, National Automotive Sampling System, Crashworthiness Data System, Analytical User's Manual.

10) Bagseat - the seat location of each airbag in the Airbag file.

11) Seatloc - data on each seating position in the vehicle.

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 2009 CDS Data Sets

DATA SET	KEY	Freq	VARIABLES
Accident	CDS09ACC	5,200	101-120,201-211
Injury	CDS09INJ	17,173	101-120,201-211,301-411,501-569,601-648,701-753, 801-913,1001-1021
Occupant	CDS09OCC	11,027	101-120,201-211,301-411,501-569,601-648,701-753,801-913
Two-vehicle acc	CDS09TVA	2,863	101-120,201-211,301-411,801-913,1301-1411,1801-1913
Vehicle	CDS09VEH	9,548	101-120,201-211,301-411,501-569,601-648,701-753

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 CDS09ACC, vehicle and vehicle damage frequencies from CDS09VEH, occupant frequencies from CDS09OCC, and injury frequencies from CDS09INJ.

The two-vehicle accident data set contains one accident record for every crash 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 - V1411 have the same definition as V301 - V411, and variables V1801 - V1913 have the same definition as V801 - V913.

Variable numbers for the entire data set are as follows:

V101	-	V120	-	Accident
V201	-	V211	-	Accident Event Sequence
V301	-	V411	-	General Vehicle
V501	-	V569	-	Exterior damage to Vehicle
V601	-	V648	-	Interior damage A to Vehicle
V701	-	V753	-	Interior damage B to Vehicle
V801	-	V913	-	Occupant information for Driver
V1001	-	V1021	-	Sampled Occupant injuries
V1301	-	V1411	-	General Vehicle #2
V1801	-	V1913	-	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)
2009 - 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	CRASH MONTH	2	Numeric	2
107	CRASH YEAR	4	Numeric	2
108	CRASH DAY OF WEEK	1	Numeric	3
109	CRASH TIME	4	Numeric	3
110	NUM EVENTS RECORDED	2	Numeric	3
111	MAXIMUM TREATMENT	1	Numeric	3
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	DRUG INVOLVEMENT	1	Numeric	5
118	MANNER OF COLLISION	1	Numeric	6
119	CASE STRATUM	2	Numeric	6
120	PSU STRATRUM	2	Numeric	6

NASS Crashworthiness Data System (CDS)
2009 - 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)
2009 - 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	12	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 - CHARACTER #11	1	Alphabetic	33
322	VIN - CHARACTER #12	1	Alphabetic	34
323	VIN LENGTH	2	Numeric	34
324	VIN MODEL YEAR	4	Numeric	34
325	VIN MAKE	5	Alphabetic	35
326	VIN MODEL CARS	3	Alphabetic	35
327	VIN BODY TYPE	2	Alphabetic	35
328	VIN TYPE OF VEHICLE	2	Numeric	38
329	VIN ROOF	1	Numeric	38
330	VIN OPTIONAL ROOF 1	1	Numeric	39
331	VIN OPTIONAL ROOF 2	1	Numeric	39
332	VIN VEH WEIGHT - CAR	4	Numeric	39
333	VINA SERIES TRUCK	3	Alphabetic	40
334	VIN TRUCK WEIGHT CODE	1	Numeric	40
335	# WHEELS/# DRIVE WHEELS	2	Numeric	40
336	VIN FRONT WHEEL DRIVE	2	Numeric	41
337	VIN FOUR WHEEL DRIVE	2	Numeric	41
338	VIN RESTRAINT TYPE	2	Numeric	41
339	DAYTIME RUNNING LIGHTS	2	Numeric	42
340	VIN ANTILOCK BRAKES	1	Numeric	42
341	VIN CARBURETION	2	Numeric	43
342	VIN FUEL CODE	2	Numeric	44
343	MTRCYCLE ENGINE DISPLACE	4	Numeric	44
344	TYPE OF VEH INSPECTION	1	Numeric	44
345	VEHICLE DISPOSITION	1	Numeric	45
346	VEHICLE CURB WEIGHT	3	Numeric	45
347	VEHICLE CARGO WEIGHT	3	Numeric	45
348	TOWED TRAILING UNIT	1	Numeric	46
349	VEHICLE SPECIAL USE	1	Numeric	46
350	TRANSPORT STATUS	1	Numeric	46

NASS Crashworthiness Data System (CDS)
2009 - General Vehicle

Variable Number	Variable Name	Width	Storage Type	Page Number
351	FRONT OVERRIDE/UNDERRIDE	1	Numeric	46
352	REAR OVERRIDE/UNDERRIDE	1	Numeric	47
353	WEIGHT - OTHER VEHICLE	3	Numeric	47
354	BODY TYPE - OTHER VEH	2	Numeric	48
355	ROLLOVER	2	Numeric	50
356	ROLLOVER INITIATION TYPE	2	Numeric	51
357	LOCATION OF ROLLOVER INI	1	Numeric	51
358	ROLLOVER INIT OBJ CONTAC	2	Numeric	51
359	PRIN TRIP FORCE APPLIED	1	Numeric	53
360	DIRECTION OF INITIAL ROL	1	Numeric	53
361	INTERRUPTED ROLLOVER	1	Numeric	54
362	PRE ROLLOVER MANEUVER	2	Numeric	54
363	DISTANCE OF ROLLOVER	3	Numeric	54
364	HEADING ANGLE - THIS VEH	3	Numeric	55
365	HEADING ANGLE - OTH VEH	3	Numeric	55
366	RECONSTRUCT CONFIDENCE	1	Numeric	55
367	BASIS FOR TOTAL DELTA-V	2	Numeric	56
368	DELTA-V EVENT NUMBER	2	Numeric	56
369	TOTAL DELTA-V	3	Numeric	57
370	LONG COMPONENT DELTA-V	4	Numeric	57
371	LAT COMPONENT DELTA-V	4	Numeric	57
372	ENERGY ABSORPTION	4	Numeric	58
373	BARRIER EQUIVALENT SPEED	3	Numeric	58
374	EST HIGHEST DELTA-V	1	Numeric	58
375	SPEED LIMIT (KMPH)	3	Numeric	59
376	TRAVEL SPEED (KMPH)	3	Numeric	59
377	IMPACT SPEED	3	Numeric	59
378	CRASH TYPE	2	Numeric	60
379	TRAJECTORY DATA DOC	1	Numeric	60
380	POST COLL TREE/POLE COND	1	Numeric	60
381	DISTRACTION TO DRIVING	2	Numeric	61
382	PRE-EVENT MOVEMENT	2	Numeric	61
383	CRITICAL PRECRASH EVENT	2	Numeric	62
384	PRE-IMPACT STABILITY	1	Numeric	63
385	PRE-IMPACT LOCATION	1	Numeric	64
386	ATTEMPTED AVOID MANEUVER	2	Numeric	64
387	RELATION TO INTERCHANGE	1	Numeric	65
388	TRAFFICWAY FLOW	1	Numeric	65
389	NUMBER OF TRAVEL LANES	1	Numeric	65
390	ROADWAY ALIGNMENT	1	Numeric	66
391	ROADWAY PROFILE	1	Numeric	66
392	ROADWAY SURFACE TYPE	1	Numeric	66
393	ROADWY SURFACE CONDITION	2	Numeric	66
394	LIGHT CONDITIONS	1	Numeric	67
395	ATMOSPHERIC CONDITIONS	2	Numeric	67
396	TRAFFIC CONTROL DEVICE	1	Numeric	68
397	CONTROL DEVICE FUNCTION	1	Numeric	68
398	DRIVER PRESENCE	1	Numeric	68
399	ALCOHOL PRESENCE	1	Numeric	69
400	ALCOHOL TEST RESULT	2	Numeric	69

NASS Crashworthiness Data System (CDS)
2009 - General Vehicle

Variable Number	Variable Name	Width	Storage Type	Page Number
401	OTHER DRUG PRESENCE	1	Numeric	69
402	OTH DRUG - SPECIMEN TEST	1	Numeric	70
403	DRIVER'S ZIP CODE	5	Numeric	70
404	DRIVER'S RACE	1	Numeric	70
405	DRIVER'S ETHNICITY C	1	Numeric	71
406	MAXIMUM TREATMENT	1	Numeric	71
407	MAXIMUM KNOWN AIS	1	Numeric	71
408	NUM SERIOUSLY INJURED	2	Numeric	72
409	NUMBER INJURED	2	Numeric	72
410	NUMBER OF OCCUPANTS	2	Numeric	72
411	NUMBER OCCUPANT FORMS	2	Numeric	73

NASS Crashworthiness Data System (CDS)
2009 - Exterior Damage

Variable Number	Variable Name	Width	Storage Type	Page Number
501	PSU NUMBER	2	Numeric	75
502	CASE NUMBER	4	Alphabetic	75
503	RECORD NUMBER	2	Numeric	75
504	VERSION NUMBER	2	Numeric	75
505	VEHICLE NUMBER	2	Numeric	76
506	CRASH SEQUENCE (1)	2	Numeric	76
507	OBJECT CONTACTED (1)	2	Numeric	76
508	DIRECTION OF FORCE (1)	2	Numeric	78
509	DEFORMATION LOCATION (1)	1	Alphabetic	79
510	LONG/LAT LOCATION (1)	1	Alphabetic	79
511	VERT/LAT LOCATION (1)	1	Alphabetic	79
512	TYPE OF DISTRIB (1)	1	Alphabetic	79
513	DEFORMATION EXTENT (1)	2	Numeric	79
514	DEFORM LOC (1) - NUMERIC	2	Numeric	80
515	LONG/LAT LOC (1)-NUMERIC	2	Numeric	80
516	VERT/LAT LOC (1)-NUMERIC	2	Numeric	81
517	TYPE OF DISTRIB (1)-NUM	2	Numeric	82
518	CRASH SEQUENCE (2)	2	Numeric	82
519	OBJECT CONTACTED (2)	2	Numeric	83
520	DIRECTION OF FORCE (2)	2	Numeric	84
521	DEFORMATION LOCATION (2)	1	Alphabetic	85
522	LONG/LAT LOCATION (2)	1	Alphabetic	85
523	VERT/LAT LOCATION (2)	1	Alphabetic	85
524	TYPE OF DISTRIB (2)	1	Alphabetic	85
525	DEFORMATION EXTENT (2)	2	Numeric	86
526	DEFORM LOC (2) - NUMERIC	2	Numeric	86
527	LONG/LAT LOC (2)-NUMERIC	2	Numeric	86
528	VERT/LAT LOC (2)-NUMERIC	2	Numeric	87
529	TYPE OF DISTRIB (2)-NUM	2	Numeric	88
530	HIGHEST DELTA-V - "L"	3	Numeric	89
531	HIGHEST DELTA-V - "C1"	3	Numeric	89
532	HIGHEST DELTA-V - "C2"	3	Numeric	89
533	HIGHEST DELTA-V - "C3"	3	Numeric	90
534	HIGHEST DELTA-V - "C4"	3	Numeric	90
535	HIGHEST DELTA-V - "C5"	3	Numeric	90
536	HIGHEST DELTA-V - "C6"	3	Numeric	91
537	HIGHEST DELTA-V - "D"	4	Numeric	91
538	SECOND DELTA-V - "L"	3	Numeric	91
539	SECOND DELTA-V - "C1"	3	Numeric	92
540	SECOND DELTA-V - "C2"	3	Numeric	92
541	SECOND DELTA-V - "C3"	3	Numeric	92
542	SECOND DELTA-V - "C4"	3	Numeric	93
543	SECOND DELTA-V - "C5"	3	Numeric	93
544	SECOND DELTA-V - "C6"	3	Numeric	93
545	SECOND DELTA-V - "D"	4	Numeric	94
546	CDC'S DOC/NOT CODED	1	Numeric	94
547	VEHICLE DISPOSITION	1	Numeric	94
548	ORIGINAL WHEELBASE	3	Numeric	94
549	MULTI-STAGE VEHICLE	1	Numeric	95
550	FIRE OCCURRENCE	1	Numeric	95

NASS Crashworthiness Data System (CDS)
2009 - Exterior Damage

Variable Number	Variable Name	Width	Storage Type	Page Number
551	ORIGIN OF FIRE	1	Numeric	95
552	TYPE OF FUEL TANK 1	1	Numeric	96
553	TYPE OF FUEL TANK 2	1	Numeric	96
554	FUEL TANK 1 LOCATION	1	Numeric	96
555	FUEL TANK 2 LOCATION	1	Numeric	97
556	FUEL TANK 1 FILLER CAP	1	Numeric	97
557	FUEL TANK 2 FILLER CAP	1	Numeric	97
558	FUEL TANK 1 DAMAGE	1	Numeric	98
559	FUEL TANK 2 DAMAGE	1	Numeric	98
560	LOCATION OF FUEL 1 LEAK	1	Numeric	98
561	LOCATION OF FUEL 2 LEAK	1	Numeric	99
562	FUEL TYPE 1	2	Numeric	99
563	FUEL TYPE 2	2	Numeric	99
564	MORE THAN 2 FUEL TANKS	1	Numeric	100
565	UNDEFORMED END WIDTH	3	Numeric	100
566	DIRECT DAMAGE WIDTH	3	Numeric	100
567	ORIGINAL AVE. TRACK WID.	3	Numeric	101
568	PDOF1-CLOCK DEGREES	3	Numeric	101
569	PDOF2-CLOCK DEGREES	3	Numeric	102

NASS Crashworthiness Data System (CDS)
2009 - Interior Damage A

Variable Number	Variable Name	Width	Storage Type	Page Number
601	PSU NUMBER	2	Numeric	103
602	CASE NUMBER	4	Alphabetic	103
603	RECORD NUMBER	2	Numeric	103
604	VERSION NUMBER	2	Numeric	103
605	VEHICLE NUMBER	2	Numeric	104
606	PASS COMPART INTEGRITY	2	Numeric	104
607	DOOR/GATE/HATCH OPN - LF	1	Numeric	105
608	DOOR/GATE/HATCH OPN - RF	1	Numeric	105
609	DOOR/GATE/HATCH OPN - LR	1	Numeric	105
610	DOOR/GATE/HATCH OPN - RR	1	Numeric	106
611	DOOR/GATE/HATCH OPN - TG	1	Numeric	106
612	DOOR/GATE/HATCH DAM - LF	1	Numeric	106
613	DOOR/GATE/HATCH DAM - RF	1	Numeric	107
614	DOOR/GATE/HATCH DAM - LR	1	Numeric	107
615	DOOR/GATE/HATCH DAM - RR	1	Numeric	108
616	DOOR/GATE/HATCH DAM - TG	1	Numeric	108
617	IMPACT GLAZING DAM - WS	1	Numeric	109
618	IMPACT GLAZING DAM - LF	1	Numeric	109
619	IMPACT GLAZING DAM - RF	1	Numeric	109
620	IMPACT GLAZING DAM - LR	1	Numeric	110
621	IMPACT GLAZING DAM - RR	1	Numeric	110
622	IMPACT GLAZING DAM - BL	1	Numeric	111
623	IMPACT GLAZING DAM - RO	1	Numeric	111
624	IMPACT GLAZING DAM - OTH	1	Numeric	111
625	CONTACT GLAZING DAM - WS	1	Numeric	112
626	CONTACT GLAZING DAM - LF	1	Numeric	112
627	CONTACT GLAZING DAM - RF	1	Numeric	113
628	CONTACT GLAZING DAM - LR	1	Numeric	113
629	CONTACT GLAZING DAM - RR	1	Numeric	114
630	CONTACT GLAZING DAM - BL	1	Numeric	114
631	CONTACT GLAZING DAM - RO	1	Numeric	114
632	CONTACT GLAZING DAM - OT	1	Numeric	115
633	TYPE OF GLAZING - WS	2	Numeric	115
634	TYPE OF GLAZING - LF	2	Numeric	116
635	TYPE OF GLAZING - RF	2	Numeric	116
636	TYPE OF GLAZING - LR	2	Numeric	117
637	TYPE OF GLAZING - RR	2	Numeric	118
638	TYPE OF GLAZING - BL	2	Numeric	118
639	TYPE OF GLAZING - ROOF	2	Numeric	119
640	TYPE OF GLAZING - OTHER	2	Numeric	119
641	WIN PRECRASH STAT - WS	1	Numeric	120
642	WIN PRECRASH STAT - LF	1	Numeric	120
643	WIN PRECRASH STAT - RF	1	Numeric	120
644	WIN PRECRASH STAT - LR	1	Numeric	121
645	WIN PRECRASH STAT - RR	1	Numeric	121
646	WIN PRECRASH STAT - BL	1	Numeric	121
647	WIN PRECRASH STAT - RO	1	Numeric	122
648	WIN PRECRASH STAT - OT	1	Numeric	122

NASS Crashworthiness Data System (CDS)
2009 - Interior Damage B

Variable Number	Variable Name	Width	Storage Type	Page Number
701	PSU NUMBER	2	Numeric	123
702	CASE NUMBER	4	Alphabetic	123
703	RECORD NUMBER	2	Numeric	123
704	VERSION NUMBER	2	Numeric	123
705	VEHICLE NUMBER	2	Numeric	124
706	INTRUSION LOCATION (1)	2	Numeric	124
707	INTRUDING COMPONENT (1)	2	Numeric	124
708	INTRUSION MAGNITUDE (1)	1	Numeric	126
709	CRUSH DIRECTION (1)	1	Numeric	126
710	INTRUSION LOCATION (2)	2	Numeric	126
711	INTRUDING COMPONENT (2)	2	Numeric	127
712	INTRUSION MAGNITUDE (2)	1	Numeric	128
713	CRUSH DIRECTION (2)	1	Numeric	128
714	INTRUSION LOCATION (3)	2	Numeric	129
715	INTRUDING COMPONENT (3)	2	Numeric	129
716	INTRUSION MAGNITUDE (3)	1	Numeric	130
717	CRUSH DIRECTION (3)	1	Numeric	131
718	INTRUSION LOCATION (4)	2	Numeric	131
719	INTRUDING COMPONENT (4)	2	Numeric	131
720	INTRUSION MAGNITUDE (4)	1	Numeric	132
721	CRUSH DIRECTION (4)	1	Numeric	133
722	INTRUSION LOCATION (5)	2	Numeric	133
723	INTRUDING COMPONENT (5)	2	Numeric	134
724	INTRUSION MAGNITUDE (5)	1	Numeric	135
725	CRUSH DIRECTION (5)	1	Numeric	135
726	INTRUSION LOCATION (6)	2	Numeric	136
727	INTRUDING COMPONENT (6)	2	Numeric	136
728	INTRUSION MAGNITUDE (6)	1	Numeric	137
729	CRUSH DIRECTION (6)	1	Numeric	138
730	INTRUSION LOCATION (7)	2	Numeric	138
731	INTRUDING COMPONENT (7)	2	Numeric	138
732	INTRUSION MAGNITUDE (7)	1	Numeric	139
733	CRUSH DIRECTION (7)	1	Numeric	140
734	INTRUSION LOCATION (8)	2	Numeric	140
735	INTRUDING COMPONENT (8)	2	Numeric	141
736	INTRUSION MAGNITUDE (8)	1	Numeric	142
737	CRUSH DIRECTION (8)	1	Numeric	142
738	INTRUSION LOCATION (9)	2	Numeric	143
739	INTRUDING COMPONENT (9)	2	Numeric	143
740	INTRUSION MAGNITUDE (9)	1	Numeric	144
741	CRUSH DIRECTION (9)	1	Numeric	145
742	INTRUSION LOCATION (10)	2	Numeric	145
743	INTRUDING COMPONENT (10)	2	Numeric	145
744	INTRUSION MAGNITUDE (10)	1	Numeric	146
745	CRUSH DIRECTION (10)	1	Numeric	147
746	STEERING COLUMN TYPE	1	Numeric	147
747	STEERING COLUMN TILT	1	Numeric	148
748	STEERING COLUMN TELESCOP	1	Numeric	148
749	RIM/SPOKE DEFORMATION	2	Numeric	148
750	RIM/SPOKE DEF LOCATION	2	Numeric	149

NASS Crashworthiness Data System (CDS)
2009 - Interior Damage B

Variable Number	Variable Name	Width	Storage Type	Page Number
751	ODOMETER READING	3	Numeric	149
752	POST-CRASH INTEGRITY LOS	1	Numeric	149
753	ADAPTIVE TECHNOLOGY	1	Numeric	150

NASS Crashworthiness Data System (CDS)
2009 - Occupant Assessment

Variable Number	Variable Name	Width	Storage Type	Page Number
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802	CASE NUMBER	4	Alphabetic	151
803	RECORD NUMBER	2	Numeric	151
804	VERSION NUMBER	2	Numeric	151
805	VEHICLE NUMBER	2	Numeric	152
806	OCCUPANT NUMBER	2	Numeric	152
807	AGE	2	Numeric	152
808	SEX	1	Numeric	152
809	HEIGHT	3	Numeric	153
810	WEIGHT	3	Numeric	153
811	RACE	1	Numeric	153
812	ETHNICITY	1	Numeric	154
813	OCCUPANT'S ROLE	1	Numeric	154
814	OCCUPANT'S SEAT POSITION	2	Numeric	154
815	OCCUPANT'S POSTURE	2	Numeric	155
816	EJECTION	1	Numeric	155
817	EJECTION AREA	1	Numeric	156
818	EJECTION MEDIUM	1	Numeric	156
819	MEDIUM STATUS	1	Numeric	156
820	ENTRAPMENT	1	Numeric	157
821	OCCUPANT MOBILITY	1	Numeric	157
822	MANUAL BELT AVAILABILITY	1	Numeric	158
823	MANUAL BELT USE	2	Numeric	158
824	MANUAL BELT MALFUNCTION	1	Numeric	159
825	SHOULDER BELT ANCHOR ADJ	1	Numeric	159
826	MANUAL BELT PRETENSIONER	1	Numeric	159
827	MANUAL BELT HISTORY	1	Numeric	160
828	BELT POSITIONING DEVICE	2	Numeric	160
829	SEAT - INTEGRATED BELTS	1	Numeric	161
830	AUTO RESTRAINT AVAILABLE	1	Numeric	161
831	AUTO (PASSIV) SYSTEM USE	1	Numeric	161
832	AUTO BELT SYSTEM TYPE	1	Numeric	162
833	AUTO BELT FAILURE MODES	1	Numeric	162
834	PAR RESTRAINT USE	1	Numeric	162
835	BELT USE DETERMINATION	1	Numeric	163
836	AIR BAG AVAIL/FUN POLICE	1	Numeric	163
837	AIR BAG AVAIL/FUNCTION	1	Numeric	163
838	AIR BAG DEPLOYMENT	1	Numeric	164
839	AB AVAIL/OTHER	1	Numeric	164
840	AIR BAG DEPLOY/OTHER	1	Numeric	164
841	AIR BAG SYSTEM FAILURE	1	Numeric	165
842	AB DEPLOY/PREVIOUS CRASH	1	Numeric	165
843	AIR BAG TYPE	1	Numeric	166
844	AIR BAG MAINTENANCE	1	Numeric	166
845	AIR BAG EVENT NUMBER	2	Numeric	166
846	CDC OF AIR BAG DEPLOY	1	Numeric	167
847	AB ASSOC LONG DELTA-V	4	Numeric	167
848	AB FLAPS OPEN CORRECTLY	1	Numeric	168
849	AB FLAPS DAMAGED	1	Numeric	168
850	AB DAMAGED	2	Numeric	168

NASS Crashworthiness Data System (CDS)
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853	AIRBAG MAINTENANCE (1)	1	Numeric	170
854	AIRBAG NUMBER (1)	2	Numeric	170
855	AIRBAG TYPE (1)	2	Numeric	171
856	AIRBAG PREVIOUS CRASH(1)	1	Numeric	171
857	AIRBAG SWITCH TYPE (1)	1	Numeric	171
858	AIRBAG SWITCH SETTING(1)	1	Numeric	172
859	AIRBAG LOCATION (2)	2	Numeric	172
860	AIRBAG MAINTENANCE (2)	1	Numeric	172
861	AIRBAG NUMBER (2)	2	Numeric	173
862	AIRBAG TYPE (2)	2	Numeric	173
863	AIRBAG PREVIOUS CRASH(2)	1	Numeric	173
864	AIRBAG SWITCH TYPE (2)	1	Numeric	174
865	AIRBAG SWITCH SETTING(2)	1	Numeric	174
866	AIRBAG LOCATION (3)	2	Numeric	174
867	AIRBAG MAINTENANCE (3)	1	Numeric	175
868	AIRBAG NUMBER (3)	2	Numeric	175
869	AIRBAG TYPE (3)	2	Numeric	176
870	AIRBAG PREVIOUS CRASH(3)	1	Numeric	176
871	AIRBAG SWITCH TYPE (3)	1	Numeric	176
872	AIRBAG SWITCH SETTING(3)	1	Numeric	177
873	AIRBAG LOCATION (4)	2	Numeric	177
874	AIRBAG MAINTENANCE (4)	1	Numeric	177
875	AIRBAG NUMBER (4)	2	Numeric	178
876	AIRBAG TYPE (4)	2	Numeric	178
877	AIRBAG PREVIOUS CRASH(4)	1	Numeric	179
878	AIRBAG SWITCH TYPE (4)	1	Numeric	179
879	AIRBAG SWITCH SETTING(4)	1	Numeric	179
880	ROLLOVER PROTECTION	1	Numeric	180
881	EYEWEAR WORN	1	Numeric	180
882	HEAD RESTRAINT TYPE/DAM	1	Numeric	180
883	HEAD RESTRAINT ACTIVE	1	Numeric	181
884	SEAT TYPE	2	Numeric	181
885	SEAT ORIENTATION	1	Numeric	181
886	SEAT TRACK	1	Numeric	182
887	SEAT BACK INCLINE	2	Numeric	182
888	SEAT PERFORMANCE	2	Numeric	183
889	CHILD SEAT USED	1	Numeric	183
890	CHILD SEAT MAKE/MODEL	3	Numeric	184
891	CHILD SEAT TYPE	2	Numeric	185
892	CHILD SEAT ORIENTATION	2	Numeric	185
893	CHILD SEAT HARNESS USE	2	Numeric	186
894	CHILD SEAT SHIELD USE	2	Numeric	187
895	CHILD SEAT TETHER USE	2	Numeric	187
896	SEAT - LATCH ANCHOR	1	Numeric	188
897	SEAT - LATCH TETHER	1	Numeric	188
898	INJURY SEVERITY	1	Numeric	188
899	TREATMENT/MORTALITY	2	Numeric	189
900	TYPE OF MEDICAL FACILITY	1	Numeric	189

NASS Crashworthiness Data System (CDS)
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902	WORKING DAYS LOST	2	Numeric	190
903	TIME TO DEATH	2	Numeric	190
904	CAUSE OF DEATH-1-MED REP	2	Numeric	191
905	CAUSE OF DEATH-2-MED REP	2	Numeric	191
906	CAUSE OF DEATH-3-MED REP	2	Numeric	192
907	NUM RECORDED INJURIES	2	Numeric	192
908	GLASGOW COMA SCALE SCORE	2	Numeric	192
909	WAS OCCUPANT GIVEN BLOOD	1	Numeric	193
910	ARTERIAL BLOOD GASES	2	Numeric	193
911	MAXIMUM KNOWN AIS	1	Numeric	193
912	INJURY SEVERITY SCORE	2	Numeric	194
913	FETAL DEATH	1	Numeric	194

NASS Crashworthiness Data System (CDS)
2009 - Occupant Injury

Variable Number	Variable Name	Width	Storage Type	Page Number
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1002	CASE NUMBER	4	Alphabetic	195
1003	RECORD NUMBER	2	Numeric	195
1004	VERSION NUMBER	2	Numeric	195
1005	VEHICLE NUMBER	2	Numeric	196
1006	OCCUPANT NUMBER	2	Numeric	196
1007	INJURY NUMBER	2	Numeric	196
1008	INJURY DATA SOURCE	2	Numeric	196
1009	BODY REGION - AIS90	1	Numeric	197
1010	ASPECT - AIS90	1	Numeric	197
1011	TYPE OF ANATOMIC STRUCT	1	Numeric	198
1012	SPECIFIC ANATOMIC STRUCT	2	Numeric	198
1013	LEVEL OF INJURY	2	Numeric	199
1014	AIS SEVERITY	1	Numeric	199
1015	INJURY SOURCE	3	Numeric	199
1016	CONFIDENCE LEVEL	1	Numeric	204
1017	DIRECT/INDIRECT INJURY	1	Numeric	204
1018	INTRUSION NUMBER	2	Numeric	204
1019	OIC - BODY REGION	2	Numeric	204
1020	OIC - LESION	2	Numeric	205
1021	OIC - SYSTEM ORGAN	2	Numeric	206

The ACCIDENT Variables

Variables 101 through 120 describe the crash.

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

NHTSA SAS Variable - PSU

Primary Sampling Unit Number

22Sep10	Prcnt	Code	Value and Description
174	3.3	2	
		-	PSU Number
176	3.4	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

22Sep10	Prcnt	Code	Value and Description
5200	100.0	1	Accident record

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

NHTSA SAS Variable - VERSION

22Sep10	Prcnt	Code	Value and Description
5200	100.0	22	Version 22

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

22Sep10 Prcnt Code Value and Description

1690	32.5	1	1 vehicle form
2863	55.1	2	2 vehicle forms
512	9.8	3	3 vehicle forms
105	2.0	4	4 vehicle forms
17	0.3	5	5 vehicle forms
6	0.1	6	6 vehicle forms
3	0.1	7	7 vehicle forms
3	0.1	8	8 vehicle forms
1	0.0	10	10 vehicle forms

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

NHTSA SAS Variable - MONTH

22Sep10 Prcnt Code Value and Description

485	9.3	1	January
402	7.7	2	February
444	8.5	3	March
458	8.8	4	April
459	8.8	5	May
429	8.2	6	June
429	8.2	7	July
417	8.0	8	August
430	8.3	9	September
460	8.8	10	October
390	7.5	11	November
397	7.6	12	December

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

NHTSA SAS Variable - YEAR

22Sep10 Prcnt Code Value and Description

5200	100.0	2009	2009

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

NHTSA SAS Variable - DAYWEEK

22Sep10	Prcnt	Code	Value and Description
683	13.1	1	Sunday
649	12.5	2	Monday
692	13.3	3	Tuesday
758	14.6	4	Wednesday
767	14.8	5	Thursday
839	16.1	6	Friday
812	15.6	7	Saturday

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

NHTSA SAS Variable - TIME

Crash time of day - 2400-hour clock

22Sep10	Prcnt	Code	Value and Description
2	0.0	0	Midnight
7	0.1	1	12:01 am
		-	
4	0.1	2359	11:59 pm
35	0.7	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 crash

22Sep10	Prcnt	Code	Value and Description
2707	52.1	1	
		-	Number of events
1	0.0	12	

<u>Variable 111</u>	<u>MAXIMUM TREATMENT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ATREAT

Variable 111: MAXIMUM TREATMENT (Continued)

22Sep10	Prcnt	Code	Value and Description
1249	24.0	0	No treatment
185	3.6	1	Fatal
5	0.1	2	Fatal - ruled disease
698	13.4	3	Hospitalization
1378	26.5	4	Transported and released
31	0.6	5	Treatment at scene
145	2.8	6	Treatment later
4	0.1	7	Treatment - other
37	0.7	8	Transported to a medical facility - unknown if treated
1468	28.2	9	Unknown

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

NHTSA SAS Variable - AAIS

22Sep10	Prcnt	Code	Value and Description
1153	22.2	0	Not injured
1530	29.4	1	Minor injury
348	6.7	2	Moderate injury
323	6.2	3	Serious injury
146	2.8	4	Severe injury
104	2.0	5	Critical injury
41	0.8	6	Maximum (untreatable) injury
94	1.8	7	Injured, unknown severity
1461	28.1	9	Unknown if injured

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

NHTSA SAS Variable - AINJUSER

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

22Sep10	Prcnt	Code	Value and Description
3157	60.7	0	None
536	10.3	1	
		-	Number of persons
2	0.0	5	
1403	27.0	99	Unknown

<u>Variable 114</u>	<u>NUM INJURED OCCUPANTS</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - AINJURED

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

22Sep10	Prcnt	Code	Value and Description
1211	23.3	0	None
1664	32.0	1	
		-	Number of persons
1	0.0	10	
1403	27.0	99	Unknown

<u>Variable 115</u>	<u>ALCOHOL INVOLVEMENT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ALCINV

Was alcohol involved in the crash?

22Sep10	Prcnt	Code	Value and Description
770	14.8	1	Yes
3571	68.7	2	No
859	16.5	9	Unknown

<u>Variable 116</u>	<u>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. NHTSA SAS Variable - RATWGT

<u>Variable 117</u>	<u>DRUG INVOLVEMENT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - DRGINV

Was drug usage involved in the crash?

22Sep10	Prcnt	Code	Value and Description
327	6.3	1	Yes
3407	65.5	2	No
1466	28.2	9	Unknown

<u>Variable 118</u>	<u>MANNER OF COLLISION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MANCOLL

22Sep10	Prcnt	Code	Value and Description
1935	37.2	0	Not collision with vehicle in-transport
935	18.0	1	Rear-end
189	3.6	2	Head-on
1757	33.8	4	Angle
170	3.3	5	Sideswipe, same direction
120	2.3	6	Sideswipe, opposite direction
94	1.8	9	Unknown

<u>Variable 119</u>	<u>CASE STRATUM</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - STRATIF - recoded from Alpha values

22Sep10	Prcnt	Code	Value and Description
49	0.9	1	A
268	5.2	2	B
217	4.2	3	C
443	8.5	4	D
637	12.2	5	E
1107	21.3	6	F
656	12.6	7	G
1094	21.0	8	H
125	2.4	9	J
604	11.6	10	K

<u>Variable 120</u>	<u>PSU STRATRUM</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSUSTRAT

22Sep10	Prcnt	Code	Value and Description
362	7.0	1	
		-	PSU Stratum
340	6.5	12	

The ACCIDENT EVENT SEQUENCE Variables

Variables 201 through 211 describe the crash first event sequence.

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

NHTSA SAS Variable - PSU

22Sep10	Prcnt	Code	Value and Description

174	3.3	2	
		-	PSU Number
176	3.4	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

22Sep10	Prcnt	Code	Value and Description

5200	100.0	2	Event record

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

NHTSA SAS Variable - VERSION

22Sep10	Prcnt	Code	Value and Description

5200	100.0	22	Version 22

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

NHTSA SAS Variable - ACCSEQ

Chronological sequence of events in the crash

22Sep10 Prcnt Code Value and Description

5200 100.0 1 1st event

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

NHTSA SAS Variable - VEHNUM

22Sep10 Prcnt Code Value and Description

5045	97.0	1	Vehicle #1
132	2.5	2	Vehicle #2
20	0.4	3	Vehicle #3
2	0.0	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

22Sep10 Prcnt Code Value and Description

0	0.0	0	Not a motor vehicle
357	6.9	1	Subcompact/mini (wheelbase < 254 cm)
898	17.3	2	Compact (wheelbase => 254 but < 265 cm)
1111	21.4	3	Intermediate (wheelbase => 265 but < 278 cm)
557	10.7	4	Full size (wheelbase => 278 but < 291 cm)
185	3.6	5	Largest (wheelbase => 291 cm)
18	0.3	9	Unknown passenger car size
782	15.0	14	Compact utility vehicle
210	4.0	15	Large utility vehicle (<= 4,536 kgs GVWR)
35	0.7	16	Utility station wagon (<= 4,536 kgs GVWR)
6	0.1	19	Unknown utility type
235	4.5	20	Minivan (<= 4,536 kgs GVWR)
61	1.2	21	Large van (<= 4,536 kgs GVWR)
0	0.0	24	Van based school bus (<= 4,536 kgs GVWR)
9	0.2	28	Other van type (<= 4,536 kgs GVWR)
0	0.0	29	Unknown van type (<= 4,536 kgs GVWR)
225	4.3	30	Compact pickup truck (<= 4,536 kgs GVWR)
389	7.5	31	Large pickup truck (<= 4,536 kgs GVWR)
0	0.0	38	Other pickup truck (<= 4,536 kgs GVWR)

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

22Sep10	Prcnt	Code	Value and Description
7	0.1	39	Unknown Pickup truck (<= 4,536 kgs GVWR)
13	0.2	45	Other light truck (<= 4,536 kgs GVWR)
1	0.0	48	Unknown light truck (<= 4,536 kgs GVWR)
0	0.0	49	Unknown light vehicle type
3	0.1	50	School bus (excludes van based) (> 4,536 kgs GVWR)
4	0.1	58	Other bus (> 4,500 kgs GVWR)
1	0.0	59	Unknown bus type
24	0.5	60	Truck (> 4,500 kgs GVWR)
5	0.1	67	Bobtail tractor
36	0.7	68	Tractor-trailer(s)
6	0.1	78	Unknown medium/heavy truck type
1	0.0	79	Unknown light/medium/heavy truck type
7	0.1	80	Motored cycle
3	0.1	90	Other vehicle
11	0.2	99	Unknown

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

NHTSA SAS Variable - GADEV1

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	(0) Not a motor vehicle
3372	64.8	1	(F) Front
696	13.4	2	(R) Right Side
663	12.8	3	(L) Left Side
193	3.7	4	(B) Back or TDC: back of unit with cargo area (rear of trailer or straight truck)
3	0.1	5	(D) Back (rear of tractor)
0	0.0	6	(C) Rear of cab
0	0.0	7	(V) Front of cargo area
142	2.7	8	(T) Top
69	1.3	9	(U) Undercarriage
3	0.1	96	(N) Noncollision
59	1.1	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

22Sep10	Prcnt	Code	Value and Description
111	2.1	1	Vehicle Number 1
3256	62.6	2	Vehicle Number 2
48	0.9	3	Vehicle Number 3
7	0.1	4	Vehicle Number 4
1	0.0	5	Vehicle Number 5
			Noncollision
181	3.5	31	Overturn - rollover (excludes end-over-end)
1	0.0	32	Rollover - end-over-end
0	0.0	33	Fire or explosion
0	0.0	34	Jackknife
0	0.0	35	Other intraunit damage
0	0.0	36	Noncollision injury
2	0.0	38	Other noncollision
1	0.0	39	Noncollision - details unknown
			Collision with fixed object
37	0.7	41	Tree (<= 10 cm in diameter)
241	4.6	42	Tree (> 10 cm in diameter)
27	0.5	43	Shrubbery or bush
88	1.7	44	Embankment
35	0.7	45	Breakaway pole or post (any diameter)
152	2.9	46	Metal guardrail
8	0.2	47	Cable barrier guardrail
			Nonbreakaway pole or post
86	1.7	50	Pole or post (<= 10 cm in diameter)
142	2.7	51	Pole or post (>10 or <= 30 cm in diameter)
63	1.2	52	Pole or post (> 30 cm in diameter)
22	0.4	53	Pole, post - diameter unknown
149	2.9	54	Concrete traffic barrier
10	0.2	55	Impact attenuator
6	0.1	56	Other traffic barrier
53	1.0	57	Fence
31	0.6	58	Wall
8	0.2	59	Building
55	1.1	60	Ditch or culvert
21	0.4	61	Ground
8	0.2	62	Fire hydrant
152	2.9	63	Curb
22	0.4	64	Bridge
67	1.3	68	Other fixed object
2	0.0	69	Unknown fixed object

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

22Sep10	Prcnt	Code	Value and Description
			Collision with nonfixed object
4	0.1	72	Pedestrian
3	0.1	73	Cyclist
1	0.0	74	Other nonmotorist
1	0.0	75	Vehicle occupant
59	1.1	76	Animal
5	0.1	77	Railway vehicle
3	0.1	78	Trailer, disconnected in-transport
1	0.0	79	Object fell from vehicle in-transport
28	0.5	88	Other nonfixed object
0	0.0	89	Unknown nonfixed object
0	0.0	98	Other event
2	0.0	99	Unknown event or object

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

NHTSA SAS Variable - CLASS2

22Sep10	Prcnt	Code	Value and Description
1777	34.2	0	Not a motor vehicle
200	3.8	1	Subcompact/mini (wheelbase < 254 cm)
483	9.3	2	Compact (wheelbase => 254 but < 265 cm)
701	13.5	3	Intermediate (wheelbase => 265 but < 278 cm)
343	6.6	4	Full size (wheelbase => 278 but < 291 cm)
147	2.8	5	Largest (wheelbase => 291 cm)
16	0.3	9	Unknown passenger car size
498	9.6	14	Compact utility vehicle
130	2.5	15	Large utility vehicle (<= 4,536 kgs GVWR)
28	0.5	16	Utility station wagon (<= 4,536 kgs GVWR)
3	0.1	19	Unknown utility type
198	3.8	20	Minivan (<= 4,536 kgs GVWR)
65	1.2	21	Large van (<= 4,536 kgs GVWR)
0	0.0	24	Van based school bus (<= 4,536 kgs GVWR)
10	0.2	28	Other van type (<= 4,536 kgs GVWR)
1	0.0	29	Unknown van type (<= 4,536 kgs GVWR)
148	2.8	30	Compact pickup truck (<= 4,536 kgs GVWR)
264	5.1	31	Large pickup truck (<= 4,536 kgs GVWR)
0	0.0	38	Other pickup truck (<= 4,536 kgs GVWR)
7	0.1	39	Unknown pickup truck (<= 4,536 kgs GVWR)
5	0.1	45	Other light truck (<= 4,536 kgs GVWR)
1	0.0	48	Unknown light truck (<4,536 kgs GVWR)
0	0.0	49	Unknown light vehicle type

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

22Sep10	Prcnt	Code	Value and Description
8	0.2	50	School bus (excludes van based) (> 4,536 kgs GVWR)
17	0.3	58	Other bus (> 4,500 kgs GVWR)
4	0.1	59	Unknown bus type
57	1.1	60	Truck (> 4,500 kgs GVWR)
3	0.1	67	Bobtail tractor
66	1.3	68	Tractor-trailer(s)
7	0.1	78	Unknown medium/heavy truck type
0	0.0	79	Unknown light/medium/heavy truck type
6	0.1	80	Motored cycle
1	0.0	90	Other vehicle
6	0.1	99	Unknown

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

NHTSA SAS Variable - GADEV2

22Sep10	Prcnt	Code	Value and Description
1592	30.6	0	(0) Not a motor vehicle
1533	29.5	1	(F) Front
428	8.2	2	(R) Right Side
568	10.9	3	(L) Left Side
861	16.6	4	(B) Back or TDC: back of unit with cargo area (rear of trailer or straight truck)
13	0.2	5	(D) Back (rear of tractor)
0	0.0	6	(C) Rear of cab
0	0.0	7	(V) Front of cargo area
0	0.0	8	(T) Top
1	0.0	9	(U) Undercarriage
185	3.6	96	(N) Noncollision
19	0.4	99	(9) Unknown

The GENERAL VEHICLE Variables

Variables 301 through 411 describe the vehicles involved in the crash.

Variable 301	PSU NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSU

22Sep10	Prcnt	Code Value and Description

282	3.0	2	
		-	PSU Number
345	3.6	82	

Variable 302	CASE NUMBER	Width: 4	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - CASEID

Variable 303	RECORD NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

22Sep10	Prcnt	Code Value and Description

9548	100.0	3 General Vehicle record

Variable 304	VERSION NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VERSION

22Sep10	Prcnt	Code Value and Description

9548	100.0	22 Version 22

<u>Variable 305</u>	<u>VEHICLE NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VEHNO

22Sep10	Prcnt	Code	Value and Description

5200	54.5	1	Vehicle #1
3510	36.8	2	Vehicle #2
647	6.8	3	Vehicle #3
135	1.4	4	Vehicle #4
30	0.3	5	Vehicle #5
13	0.1	6	Vehicle #6
7	0.1	7	Vehicle #7
4	0.0	8	Vehicle #8
1	0.0	9	Vehicle #9
1	0.0	10	Vehicle #10

<u>Variable 306</u>	<u>MODEL YEAR</u>	Width: 4	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - MODELyr

22Sep10	Prcnt	Code	Value and Description

1	0.0	1955	1955
		-	
81	0.8	1990	1990
133	1.4	1991	1991
151	1.6	1992	1992
201	2.1	1993	1993
259	2.7	1994	1994
337	3.5	1995	1995
359	3.8	1996	1996
390	4.1	1997	1997
509	5.3	1998	1998
557	5.8	1999	1999
619	6.5	2000	2000
593	6.2	2001	2001
611	6.4	2002	2002
549	5.7	2003	2003
581	6.1	2004	2004
611	6.4	2005	2005
793	8.3	2006	2006
759	7.9	2007	2007
697	7.3	2008	2008
343	3.6	2009	2009
40	0.4	2010	2010
82	0.9	9999	Unknown

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

NHTSA SAS Variable - MAKE

22Sep10	Prcnt	Code	Value and Description
0	0.0	1	American Motors
296	3.1	2	Jeep (includes Kaiser-Jeep)
11	0.1	3	AM General
251	2.6	6	Chrysler
582	6.1	7	Dodge
0	0.0	8	Imperial
55	0.6	9	Plymouth
1	0.0	10	Eagle
1487	15.6	12	Ford
92	1.0	13	Lincoln
178	1.9	14	Mercury
208	2.2	18	Buick
124	1.3	19	Cadillac
1403	14.7	20	Chevrolet
131	1.4	21	Oldsmobile
317	3.3	22	Pontiac
212	2.2	23	GMC
145	1.5	24	Saturn
1	0.0	25	Grumman
0	0.0	29	Other domestic
176	1.8	30	Volkswagen
0	0.0	31	Alfa Romeo
47	0.5	32	Audi
1	0.0	33	Austin/Austin Healey
101	1.1	34	BMW
512	5.4	35	Nissan/Datsun
0	0.0	36	Fiat
693	7.3	37	Honda
46	0.5	38	Isuzu
11	0.1	39	Jaguar
0	0.0	40	Lancia
172	1.8	41	Mazda
96	1.0	42	Mercedes Benz
0	0.0	43	MG
0	0.0	44	Peugeot
5	0.1	45	Porsche
0	0.0	46	Renault
20	0.2	47	Saab
117	1.2	48	Subaru
895	9.4	49	Toyota
1	0.0	50	Triumph
80	0.8	51	Volvo
125	1.3	52	Mitsubishi
52	0.5	53	Suzuki
118	1.2	54	Acura
181	1.9	55	Hyundai
0	0.0	56	Merkur
0	0.0	57	Yugo
54	0.6	58	Infiniti

Variable 307:VEHICLE MAKE (Continued)

22Sep10	Prcnt	Code	Value and Description
110	1.2	59	Lexus
0	0.0	60	Daihatsu
0	0.0	61	Sterling
16	0.2	62	Land Rover
120	1.3	63	KIA
3	0.0	64	Daewoo
2	0.0	65	Mini
13	0.1	69	Other imports
0	0.0	70	BSA
1	0.0	71	Ducati
2	0.0	72	Harley-Davidson
2	0.0	73	Kawasaki
0	0.0	74	Moto-Guzzi
0	0.0	75	Norton
1	0.0	76	Yamaha
1	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
50	0.5	82	Freightliner/White Freightliner/White
0	0.0	83	FWD
56	0.6	84	International Harvester/Navistar
13	0.1	85	Kenworth
30	0.3	86	Mack
20	0.2	87	Peterbilt
0	0.0	88	Iveco/Magirus
42	0.4	98	Other make
69	0.7	99	Unknown make

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

NHTSA SAS Variables - MAKE+MODEL

22Sep10	Prcnt	Code	Value and Description
American Motors			
Jeep			
8	0.1	2001	Jeep Compass
3	0.0	2401	CJ-2/CJ-3/CJ-4
13	0.1	2402	CJ-5/CJ-6/CJ-7/CJ-8
22	0.2	2403	YJ-Wrangler
182	1.9	2404	Cherokee (84 on)
52	0.5	2405	JEEP Liberty
7	0.1	2406	Commander
3	0.0	2407	Patriot
1	0.0	2421	Cherokee (thru 83)
2	0.0	2431	Grand Wagoneer
2	0.0	2499	Unk Light Truck

Variable 308:MAKE/MODEL (Continued)

22Sep10	Prcnt	Code	Value and Description
1	0.0	2999	Unknown vehicle
			AM General
5	0.1	3402	AM Hummer H3
6	0.1	3421	Hummer
			Chrysler
1	0.0	6010	Newport/New Yorker (thru 78)/5th Avenue/Imperial (79-81)
4	0.0	6014	New Yorker/E-Class/Imperial (90-on)/Fifth Avenue
2	0.0	6016	Lebaron
2	0.0	6018	Intrepid
13	0.1	6041	Concorde
6	0.1	6042	LHS
55	0.6	6043	Sebring
10	0.1	6044	Cirrus
35	0.4	6051	CHRY 300M
45	0.5	6052	CHRY PT Cruiser
16	0.2	6054	CHRY Pacifica
2	0.0	6421	Aspen
57	0.6	6441	Town & Country (Minivan)
3	0.0	6442	Voyager
			Dodge
1	0.0	7001	Dart
3	0.0	7004	Viper
2	0.0	7011	Aries (K)
1	0.0	7013	Rampage (car based pickup)
2	0.0	7017	Shadow
3	0.0	7018	Dynasty
4	0.0	7019	Spirit
48	0.5	7020	Neon
6	0.1	7021	Magnum
22	0.2	7024	Charger (2006+)
17	0.2	7025	Caliber
11	0.1	7026	Avenger
3	0.0	7027	Journey
2	0.0	7034	Colt (excludes Vista)
37	0.4	7041	Intrepid
7	0.1	7042	Avenger
33	0.3	7043	Stratus
1	0.0	7399	Unk Auto
8	0.1	7403	Nitro
1	0.0	7421	Ramchager
63	0.7	7422	Durango
121	1.3	7442	Caravan
16	0.2	7461	B-series Van
3	0.0	7462	Sprinter
3	0.0	7470	Van Derivative
1	0.0	7471	D50,Colt Pickup,Ram 50/100
42	0.4	7472	Dakota
13	0.1	7481	D,W-series Pickup

Variable 308:MAKE/MODEL (Continued)

22Sep10	Prcnt	Code	Value and Description
103	1.1	7482	Ram 1500/2500/3500 P/U
2	0.0	7498	Other lt Truck
2	0.0	7499	Unk lt Truck
1	0.0	7881	Med/hvy CBE
			Imperial
			Plymouth
1	0.0	9008	Horizon
1	0.0	9017	Sundance
7	0.1	9019	Acclaim
16	0.2	9020	Neon
2	0.0	9037	Laser
4	0.0	9038	Breeze
1	0.0	9039	Prowler
23	0.2	9442	Voyager (minivan)
			Eagle
1	0.0	10041	Vision
			Ford
84	0.9	12003	Mustang/Mustang II
9	0.1	12004	Thunderbird
1	0.0	12012	Fairmont
56	0.6	12013	Escort/EXP
6	0.1	12015	Tempo
78	0.8	12016	Crown Victoria
156	1.6	12017	Taurus
5	0.1	12018	Probe
6	0.1	12021	500
7	0.1	12022	Freestyle
29	0.3	12023	Fusion
11	0.1	12024	Edge
2	0.0	12025	Flex
2	0.0	12033	Festiva
18	0.2	12035	Contour
4	0.0	12036	Aspire
110	1.2	12037	Focus
1	0.0	12399	Unk Auto
201	2.1	12401	Bronco II/Bronco(thru 77)/Explorer
60	0.6	12402	Escape
5	0.1	12421	Bronco-fullsize (78 on)
61	0.6	12422	Expedition
6	0.1	12431	Excursion
11	0.1	12441	Aerostar
39	0.4	12442	Windstar
8	0.1	12443	Freestar
84	0.9	12461	E-series Van
1	0.0	12470	Van derivative
113	1.2	12471	Ranger
6	0.1	12473	Sport Trac
270	2.8	12481	F-series Pickup

Variable 308:MAKE/MODEL (Continued)

22Sep10	Prcnt	Code	Value and Description
10	0.1	12498	Other lt truck
5	0.1	12499	Unk lt truck
9	0.1	12880	F450/550 Pickup > 4536 GVWR
6	0.1	12881	Med/Hvy CBE
1	0.0	12883	Med/Hvy COE high entry
2	0.0	12898	Other Med/Hvy truck
1	0.0	12981	Medium Bus
3	0.0	12988	Other Bus
			Lincoln
54	0.6	13001	Town Car/Continental
1	0.0	13002	Mark I - VIII
9	0.1	13005	Continental (82 on)
6	0.1	13012	LS
5	0.1	13013	Zephyr
3	0.0	13014	MKX
1	0.0	13016	MKT
1	0.0	13399	Unk Auto
1	0.0	13401	Aviator
10	0.1	13421	Navigator
1	0.0	13482	Mark LT
			Mercury
3	0.0	14004	Cougar/XR7
47	0.5	14006	Marquis/Monterey
48	0.5	14017	Sable
3	0.0	14020	Montego (2005+)
8	0.1	14021	Milan
7	0.1	14036	Tracer
4	0.0	14037	Mystique
11	0.1	14038	Cougar
25	0.3	14401	Mountaineer
11	0.1	14402	Mariner
11	0.1	14443	Villager
			Buick
47	0.5	18002	Lesabre/Wildcat/Centurion
16	0.2	18003	Electra/Electra 225/Park Avenue (91 on)
7	0.1	18004	Roadmaster
4	0.0	18005	Riviera
53	0.6	18007	Century
13	0.1	18010	Regal
6	0.1	18018	Somerset/Skylark(86 on)
9	0.1	18020	Regal FWD
16	0.2	18022	Lacross
12	0.1	18023	Lucerine
1	0.0	18024	Enclave
21	0.2	18401	Rendezvous
1	0.0	18402	Rainier
2	0.0	18441	Terraza

Variable 308:MAKE/MODEL (Continued)

22Sep10 Prcnt Code Value and Description

			Cadillac
49	0.5	19003	Deville/Fleetwood (except Limousine)
7	0.1	19005	Eldorado
15	0.2	19014	Seville
6	0.1	19017	Catera
14	0.1	19018	CTS
1	0.0	19019	XLR
3	0.0	19020	SRX
6	0.1	19021	STS
5	0.1	19022	DTS
1	0.0	19399	Unk Auto
14	0.1	19421	Escalade
2	0.0	19431	Escalade ESV
1	0.0	19481	Escalade EXT
			Chevrolet
1	0.0	20001	Malibu/Chevelle
146	1.5	20002	Caprice/Impala
6	0.1	20004	Corvette
1	0.0	20007	El Camino
1	0.0	20008	Nova (-79)
23	0.2	20009	Camaro
3	0.0	20010	Monte Carlo
92	1.0	20016	Cavalier
6	0.1	20017	Celebrity
21	0.2	20019	Baretta/Corsica
40	0.4	20020	Lumina
73	0.8	20022	Cobalt
19	0.2	20023	HHR
2	0.0	20024	Traverse
31	0.3	20032	Nova/Geo Prizm
7	0.1	20034	Geo Metro
1	0.0	20035	Geo Storm
44	0.5	20036	Monte Carlo (FWD only)
124	1.3	20037	Malibu
24	0.3	20039	Aveo
67	0.7	20401	S-10 Blazer
12	0.1	20402	Geo Tracker
62	0.6	20403	Trailblazer (2002+)
18	0.2	20404	Equinox
81	0.8	20421	Blazer-fullsize
50	0.5	20431	Suburban
28	0.3	20441	Astro Van
24	0.3	20442	Lumina APV
10	0.1	20444	Uplander
40	0.4	20461	G-series Van
2	0.0	20466	P-series Van
47	0.5	20471	S-10,T-10
28	0.3	20473	Colorado
227	2.4	20481	C,K,R,V-series Pickup
23	0.2	20482	Avalanche
10	0.1	20498	Other lt truck

Variable 308:MAKE/MODEL (Continued)

22Sep10	Prcnt	Code	Value and Description
3	0.0	20499	Unk lt truck
5	0.1	20881	Med/Hvy CBE
1	0.0	20898	Other med/hvy trk
			Oldsmobile
5	0.1	21001	Cutlass (RWD only)
21	0.2	21002	Delta 88
4	0.0	21003	Ninety-Eight
2	0.0	21005	Toronado
17	0.2	21017	Ciera
1	0.0	21018	Calais
12	0.1	21020	Cutlass (FWD)
6	0.1	21021	Achieva
6	0.1	21022	Aurora
14	0.1	21023	Intrigue
23	0.2	21024	Alero
9	0.1	21401	Bravada
11	0.1	21441	Silhouette
			Pontiac
17	0.2	22002	Bonneville/Catalina/Parisienne
2	0.0	22008	Ventura
5	0.1	22009	Firebird/Trans AM
1	0.0	22010	Grand Prix RWD
31	0.3	22016	J2000/2000/Sunbird(84 on)
1	0.0	22017	6000
64	0.7	22018	Grand AM
8	0.1	22019	G5
80	0.8	22020	Grand Prix FWD
54	0.6	22022	G6
1	0.0	22023	Soltice
1	0.0	22024	G8
1	0.0	22031	Lemans (88 on)
20	0.2	22032	Vibe
5	0.1	22401	Aztek
5	0.1	22403	Torrent
21	0.2	22441	Trans Sport
			GMC
3	0.0	23008	Arcadia
44	0.5	23401	Jimmy/Typhoon S-15 based
46	0.5	23421	Jimmy fullsize/Yukon
10	0.1	23431	Suburban
2	0.0	23441	Safari (Minivan)
11	0.1	23461	G-series Van
1	0.0	23470	Van Derivative
17	0.2	23471	S15/T15/Somona
3	0.0	23472	Canyon
67	0.7	23481	C,K,R,V-series Pickup
1	0.0	23498	Other lt truck
6	0.1	23881	Med/Hvy CBE
1	0.0	23898	Other med/hvy trk

Variable 308:MAKE/MODEL (Continued)

22Sep10 Prcnt Code Value and Description

Saturn			
52	0.5	24001	SL
16	0.2	24002	SC
5	0.1	24003	SW
19	0.2	24005	LS
1	0.0	24006	LW
25	0.3	24007	Ion
5	0.1	24009	Aura
2	0.0	24010	Outlook
19	0.2	24401	Vue
1	0.0	24499	Unk lt truck
Grumman			
1	0.0	25441	LLV Postal
Other Domestic			
Volkswagen			
6	0.1	30032	Beetle 1300/1500
5	0.1	30036	Rabbit
93	1.0	30040	Jetta
16	0.2	30042	Golf
31	0.3	30046	Passat
4	0.0	30047	Jetta III
3	0.0	30048	Golf III
11	0.1	30049	New Beetle
1	0.0	30051	EOS
1	0.0	30399	Unk Auto
1	0.0	30402	VW Tiguan
2	0.0	30421	Touareg
1	0.0	30441	Vanagon/Camper
1	0.0	30443	Routan
Alfa Romeo			
Audi			
7	0.1	32032	100/A6
1	0.0	32040	S4/S6
31	0.3	32042	A4
1	0.0	32043	A3
4	0.0	32045	TT
2	0.0	32047	Allroad
1	0.0	32401	Q7
Austin/Austin Healey			
1	0.0	33034	Healey 3000
BMW			
48	0.5	34034	3-series
24	0.3	34035	5-series
2	0.0	34036	6-series
11	0.1	34037	7-series

Variable 308:MAKE/MODEL (Continued)

22Sep10	Prcnt	Code	Value and Description
1	0.0	34039	Z3
1	0.0	34399	Unk Auto
8	0.1	34401	X5
6	0.1	34402	X3
			Nissan/Datsun
4	0.0	35032	200SX/240SX
2	0.0	35034	Z-car, ZX
84	0.9	35039	810/Maxima
2	0.0	35042	Stanza
89	0.9	35043	Sentra
1	0.0	35046	NX 1600/2000
144	1.5	35047	Altima
4	0.0	35048	350Z
23	0.2	35049	Murano
15	0.2	35050	Versa
10	0.1	35051	Rogue
1	0.0	35399	Unk Auto
42	0.4	35401	Pathfinder
16	0.2	35402	XTerra
11	0.1	35421	Pathfinder Amada
6	0.1	35443	Quest
41	0.4	35471	Pickup / Frontier
13	0.1	35481	Titan
1	0.0	35498	Other lt truck
2	0.0	35499	Unk lt truck
1	0.0	35883	Med/Hvy COE high entry
			Fiat
			Honda
211	2.2	37031	Civic/CRX, del Sol
296	3.1	37032	Accord
13	0.1	37033	Prelude
1	0.0	37035	S2000
1	0.0	37037	Insight
10	0.1	37039	Fit
8	0.1	37401	Passport
58	0.6	37402	C-RV (small sport utility vehicle)
10	0.1	37403	Element
33	0.3	37421	Pilot
45	0.5	37441	Odyssey
5	0.1	37471	Ridgeline
1	0.0	37705	450-749cc
1	0.0	37709	Unk cc
			Isuzu
8	0.1	38401	Trooper/Trooper II
27	0.3	38402	Rodeo
1	0.0	38421	Ascender
2	0.0	38471	P'up Pickup (thru 95) / Hombre (96 - on)
1	0.0	38499	Unk lt truck

Variable 308:MAKE/MODEL (Continued)

22Sep10	Prcnt	Code	Value and Description
2	0.0	38881	Med/Hvy CBE
3	0.0	38882	Med/Hvy COE low entry
2	0.0	38890	Med/Hvy COE unk entry position
Jaguar			
3	0.0	39032	XJ6/12 Sedan/Coupe
1	0.0	39034	X100
7	0.1	39035	X-type
Lancia			
Mazda			
2	0.0	41034	RX7
33	0.3	41035	GLC/323/Protege
24	0.3	41037	626
1	0.0	41043	929
2	0.0	41044	MX-6
3	0.0	41045	Miata
1	0.0	41046	MX-3
8	0.1	41047	Millenia
3	0.0	41049	RX-8
25	0.3	41050	Mazda 6
24	0.3	41051	Mazda 3
5	0.1	41052	Mazda 5
6	0.1	41053	Mazda CX-7
1	0.0	41399	Unk auto
9	0.1	41402	Tribute
10	0.1	41441	MPV
14	0.1	41471	Mazda Pickup
1	0.0	41498	Other lt truck
Mercedes Benz			
12	0.1	42031	200/220/230/240/250/260/280/300 Sedan/Coupe
5	0.1	42032	230/280 SL 2-pass
4	0.0	42033	300/350/380/450/500/560 SL 2-pass
2	0.0	42034	350/380/420/450/560 SLC
1	0.0	42035	280/300 SEL
5	0.1	42036	380/420/450/500/560 SEL, 500/560 SEC, 300/350 SDL
1	0.0	42039	190
10	0.1	42040	300
1	0.0	42041	400/500 E
8	0.1	42042	220/280 C
12	0.1	42043	S Class
3	0.0	42044	SL Class
1	0.0	42045	SLK
3	0.0	42046	CL Class
5	0.1	42047	CLK
7	0.1	42048	E Class
1	0.0	42050	R-Class
3	0.0	42051	CLS Class
1	0.0	42398	Other auto
9	0.1	42401	M

Variable 308:MAKE/MODEL (Continued)

22Sep10	Prcnt	Code	Value and Description
2	0.0	42402	G Class
			MG
			Peugeot
			Porsche
1	0.0	45035	928
2	0.0	45040	Boxster
2	0.0	45421	Cayenne
			Renault
			Saab
3	0.0	47031	99/99E/900
2	0.0	47034	9000
7	0.1	47035	9-3
5	0.1	47036	9-5
1	0.0	47037	9-2X
2	0.0	47401	9-7X
			Subaru
2	0.0	48031	DL/FE/G/GF/GL/GLF/STD/Loyale(90 on)
41	0.4	48034	Legacy
1	0.0	48037	SVX
22	0.2	48038	Impreza
1	0.0	48043	Brat
1	0.0	48044	Baja
23	0.2	48045	Outback (2003+)
23	0.2	48401	Forester
3	0.0	48402	B9 Tribeca
			Toyota
179	1.9	49032	Corolla
11	0.1	49033	Celica
4	0.0	49035	Cressida
6	0.1	49038	Terrel
238	2.5	49040	Camry
2	0.0	49041	MR-2
2	0.0	49042	Paseo
22	0.2	49043	Avalon
17	0.2	49044	Solara
9	0.1	49045	Echo
31	0.3	49046	Prius
2	0.0	49048	Scion XA
8	0.1	49049	Scion XB
29	0.3	49050	Scion TC
22	0.2	49051	Yaris
3	0.0	49052	Scion XD
2	0.0	49399	Unk auto
65	0.7	49401	4-Runner
34	0.4	49402	RAV-4

Variable 308:MAKE/MODEL (Continued)

22Sep10	Prcnt	Code	Value and Description
25	0.3	49403	Highlander
17	0.2	49404	Matrix
2	0.0	49405	FJ Cruiser
6	0.1	49421	Landcruiser
11	0.1	49422	Sequoia
4	0.0	49441	Minivan (84-90)/Previa (91 on)
35	0.4	49442	Sienna
18	0.2	49471	Pickup
68	0.7	49472	Tacoma
23	0.2	49482	Tundra
			Triumph
1	0.0	50706	750cc & over
			Volvo
1	0.0	51031	122
4	0.0	51034	240/242/244/245
1	0.0	51038	760/780
6	0.1	51039	740
1	0.0	51040	940
5	0.1	51042	850
19	0.2	51043	70
10	0.1	51045	80
7	0.1	51046	40 Series
8	0.1	51047	60 Series
1	0.0	51048	V50
1	0.0	51399	Unk auto
5	0.1	51401	XC90
7	0.1	51881	Med/Hvy CBE
1	0.0	51883	Med/Hvy COE high entry
1	0.0	51884	Med/Hvy unk engine location
2	0.0	51899	Unk med/hvy trk
			Mitsubishi
40	0.4	52034	Galant
10	0.1	52035	Mirage
31	0.3	52037	Eclipse
1	0.0	52039	3000 GT
1	0.0	52040	Diamante
19	0.2	52046	Lancer
1	0.0	52399	Unk auto
17	0.2	52401	Montero
3	0.0	52402	Outlander
2	0.0	52898	Other med/hvy truck
			Suzuki
2	0.0	53034	Swift
1	0.0	53035	Esteem
4	0.0	53036	Aerio
3	0.0	53037	Forenza
6	0.1	53038	Verona
2	0.0	53039	Reno

Variable 308:MAKE/MODEL (Continued)

22Sep10	Prcnt	Code	Value and Description
2	0.0	53040	SX4
4	0.0	53402	Sidekick
5	0.1	53403	X-90
8	0.1	53404	Grand Vitara
9	0.1	53405	XL7
1	0.0	53481	Equator
3	0.0	53705	450-749cc
1	0.0	53706	750cc & over
1	0.0	53709	Unk cc
			Acura
17	0.2	54031	Integra
20	0.2	54032	Legend (86-95) / RL (96-on)
1	0.0	54034	Vigor
34	0.4	54035	CL / TL
14	0.1	54038	RSX
15	0.2	54039	TSX
17	0.2	54421	MDX
			Hyundai
41	0.4	55033	Sonata
58	0.6	55035	Elantra
22	0.2	55036	Accent
12	0.1	55037	Tiburon
6	0.1	55038	XG300
2	0.0	55039	Azera
20	0.2	55401	Santa Fe
17	0.2	55402	Tucson
2	0.0	55403	Veracruz
1	0.0	55441	Entourage
			Merkur
			Yugo
			Infiniti
2	0.0	58032	Q45
4	0.0	58033	G20
5	0.1	58034	J30
9	0.1	58035	I30
19	0.2	58037	G35
1	0.0	58038	M45
1	0.0	58039	FX35 / 45
2	0.0	58040	EX35
9	0.1	58401	T30
2	0.0	58421	QX56
			Lexus
35	0.4	59031	ES-250/ES-300
11	0.1	59032	LS-400
3	0.0	59033	SC-400/SC-300
11	0.1	59034	GS-300

Variable 308:MAKE/MODEL (Continued)

22Sep10	Prcnt	Code	Value and Description
12	0.1	59035	IS-300
2	0.0	59036	SC-430
16	0.2	59401	RX 300
3	0.0	59402	GX 470
16	0.2	59403	RX330/359/400h
1	0.0	59421	LX 450/470
Daihatsu			
Sterling			
Land Rover			
6	0.1	62401	Discovery (LR)
5	0.1	62421	County LWB (RR) [thru 94] / County Classic (RR) [94-on]
5	0.1	62422	Defender / 4.0 SE (RR)
KIA			
8	0.1	63031	Sephia
28	0.3	63032	Spectra
8	0.1	63033	Rio
16	0.2	63034	Optima
2	0.0	63035	Amanti
5	0.1	63036	Rondo
1	0.0	63037	Soul
24	0.3	63401	Sportage
12	0.1	63402	Sorrento
16	0.2	63441	Sedona
DAEWOO			
1	0.0	64031	Lanos
2	0.0	64033	Leganza
MINI			
2	0.0	65031	Cooper/Cooper S
Other Imports			
1	0.0	69042	Rolls Royce/Bentley
12	0.1	69054	Mini Cooper, Cooper S
BSA			
Ducati			
1	0.0	71706	750cc & over
Harley-Davidson			
1	0.0	72705	450-749cc
1	0.0	72706	750cc & over
Kawasaki			
1	0.0	73705	450-749cc
1	0.0	73733	ATC/ATV 125-349cc

Variable 308:MAKE/MODEL (Continued)

22Sep10	Prcnt	Code	Value and Description
			Moto-Guzzi
			Norton
			Yamaha
1	0.0	76709	Unk cc
			Other Make Moped
1	0.0	78709	Unk cc
			Other Make Motored Cycle
			Brockway
			Diamond Reo/Reo
			Freightliner/White
31	0.3	82881	Med/Hvy CBE
1	0.0	82882	Med/Hvy COE low entry
1	0.0	82883	Med/Hvy COE high entry
7	0.1	82884	Med/Hvy Unk engine location
2	0.0	82890	Med/Hvy COE Unk entry position
1	0.0	82898	Other med/hvy trk
4	0.0	82899	Unk med/hvy trk
1	0.0	82981	Conventional Bus
1	0.0	82989	Unknown bus type
1	0.0	82999	Unknown vehicle
			FWD
			International Harvester/Navistar
23	0.2	84881	Med/Hvy CBE
3	0.0	84883	Med/Hvy COE high entry
9	0.1	84884	Med/Hvy unk engine location
5	0.1	84890	Med/Hvy COE unk entry position
4	0.0	84898	Other med/hvy trk
3	0.0	84899	Unk med/hvy trk
7	0.1	84981	Conventional Bus
1	0.0	84988	Other bus
1	0.0	84998	Other vehicle
			Kenworth
9	0.1	85881	Med/Hvy CBE
4	0.0	85884	Med/Hvy Unk engine location
			Mack
18	0.2	86881	Med/Hvy CBE
1	0.0	86882	Med/Hvy COE low entry
1	0.0	86883	Med/Hvy COE high entry
4	0.0	86884	Med/Hvy Unk engine location
4	0.0	86890	Med/Hvy COE Unk entry position
2	0.0	86899	Unk med/hvy trk

Variable 308:MAKE/MODEL (Continued)

22Sep10 Prcnt Code Value and Description

Peterbilt

13	0.1	87881	Med/Hvy CBE
1	0.0	87883	Med/Hvy COE high entry
3	0.0	87884	Med/Hvy Unk engine location
1	0.0	87890	Med/Hvy COE Unk entry position
2	0.0	87899	Unk med/hvy trk

Iveco/Magirus

Other Make

4	0.0	98804	WESTERN STAR
9	0.1	98808	STERLING COE/Low entry
4	0.0	98898	Other med/hvy trk
22	0.2	98988	Other bus
3	0.0	98998	Other vehicle

Unknown Make

27	0.3	99399	Unknown automobile
8	0.1	99499	Unknown light truck
6	0.1	99899	Unk med/hvy trk
7	0.1	99988	Other bus
21	0.2	99999	Unk vehicle

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

NHTSA SAS Variable - BODYTYPE

22Sep10 Prcnt Code Value and Description

Automobiles

98	1.0	1	Convertible (excludes sunroof, t-bar)
631	6.6	2	2-door sedan, hardtop, coupe
218	2.3	3	3-door/2-door hatchback
4045	42.4	4	4-door sedan, hardtop
211	2.2	5	5-door/4-door hatchback
255	2.7	6	Station Wagon (excluding van and truck based)
1	0.0	7	Hatchback, number of doors unknown
2	0.0	8	Other automobile type
48	0.5	9	Unknown automobile type

Automobile Derivatives

2	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, auto based ambulance/hearse)
2	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)

22Sep10 Prcnt Code Value and Description

			Utility Vehicles (<= 4,536 kgs GVWR)
1408	14.7	14	Compact utility (includes Jeep CJ-2 thru Jeep CJ-7, Renegade, Wrangler, Navajo, Bronco, Thing)
385	4.0	15	Large utility (includes Jeep Cherokee, Ram Charger, Trailduster, fullsize Blazer, Scout)
67	0.7	16	Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
5	0.1	17	3-door coupe
14	0.1	19	Utility unknown body type
			Van Based Light Trucks (<= 4,536 kgs GVWR)
489	5.1	20	Minivan (Astro, Caravan, Plymouth Vista, Aerostar, Safari, etc.)
140	1.5	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)
1	0.0	23	Van based motorhome (<= 4,536 kgs GVWR)
1	0.0	24	Van based school bus (<= 4,536 kgs GVWR)
8	0.1	25	Van based other bus (<= 4,536 kgs GVWR)
9	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)
407	4.3	30	Compact pickup (Ram 50, Dakota, Arrow Pickup, Ranger, Toyota Pickup, etc.)
734	7.7	31	Large pickup (Jeep Pickup, Comanche, Silverado, Sierra, etc.)
0	0.0	32	Pickup with slide-in camper
0	0.0	33	Convertible pickup
19	0.2	39	Unknown (pickup style) light conventional truck type
			Other Light Trucks (<= 4,536 kgs. GVWR)
20	0.2	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
3	0.0	48	Unknown light truck type
0	0.0	49	Unknown light vehicle type (automobile, utility, van, or light truck)
			Buses (excludes van based)
14	0.1	50	School bus (designed to carry students, not cross country or transit)
22	0.2	58	Other bus type (e.g., transit, intercity, bus based motorhome)
7	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 <= 8,845 kgs)

Variable 309:BODY TYPE (Continued)

22Sep10	Prcnt	Code	Value and Description
13	0.1	62	Single unit straight truck (8,845 kgs < GVWR <= 11,793 kgs)
37	0.4	63	Single unit straight truck (> 11,793 kgs GVWR)
15	0.2	64	Single unit straight truck, GVWR unknown
1	0.0	65	Medium/heavy truck based motorhome
9	0.1	67	Truck-tractor with no cargo trailer
109	1.1	68	Truck-tractor pulling one trailer
8	0.1	69	Truck-tractor pulling two or more trailers
1	0.0	70	Truck-tractor (unknown if pulling trailer)
4	0.0	74	Medium/heavy pickup (>= 4,536 kgs)
17	0.2	78	Unknown medium/heavy truck type
Unknown Truck Type (light/mediu,/heavy)			
1	0.0	79	Unknown truck type (light/medium/heavy)
Motored Cycles (Does not include atv/atc)			
13	0.1	80	Motorcycle
1	0.0	81	Moped (motorized bicycle)
0	0.0	82	Three-wheel motorcycle or moped
0	0.0	88	Other motored cycle (minibike, motorscooter)
0	0.0	89	Unknown motored cycle type
Other Vehicles			
1	0.0	90	ATV (all terrain vehicle) and ATC (all terrain cycle)
0	0.0	91	Snowmobile
2	0.0	92	Farm equipment other than trucks
1	0.0	93	Construction equipment other than trucks
1	0.0	97	Other type vehicle
23	0.2	99	Unknown body type

Variable 310	VIN	Width: 12	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - VIN

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

<u>Variable 312</u>	<u>VIN - CHARACTER #2</u>	Width: 1 Dec: None	Type: Alphabetic Miss: None
<u>Variable 313</u>	<u>VIN - CHARACTER #3</u>	Width: 1 Dec: None	Type: Alphabetic Miss: None
<u>Variable 314</u>	<u>VIN - CHARACTER #4</u>	Width: 1 Dec: None	Type: Alphabetic Miss: None
<u>Variable 315</u>	<u>VIN - CHARACTER #5</u>	Width: 1 Dec: None	Type: Alphabetic Miss: None
<u>Variable 316</u>	<u>VIN - CHARACTER #6</u>	Width: 1 Dec: None	Type: Alphabetic Miss: None
<u>Variable 317</u>	<u>VIN - CHARACTER #7</u>	Width: 1 Dec: None	Type: Alphabetic Miss: None
<u>Variable 318</u>	<u>VIN - CHARACTER #8</u>	Width: 1 Dec: None	Type: Alphabetic Miss: None
<u>Variable 319</u>	<u>VIN - CHARACTER #9</u>	Width: 1 Dec: None	Type: Alphabetic Miss: None
<u>Variable 320</u>	<u>VIN - CHARACTER #10</u>	Width: 1 Dec: None	Type: Alphabetic Miss: None
<u>Variable 321</u>	<u>VIN - CHARACTER #11</u>	Width: 1 Dec: None	Type: Alphabetic Miss: None

Variable 322	VIN - CHARACTER #12	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

Variable 323	VIN LENGTH	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - VINLNGTH

22Sep10	Prcnt	Code	Value and Description

1	0.0	7	- Length of VIN
9085	95.2	17	
417	4.4	99	Unknown

Variable 324	VIN MODEL YEAR	Width: 4	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - VINMODYR

Vina derived - Vehicle's Model Year

22Sep10	Prcnt	Code	Value and Description

1	0.0	1955	1955
		-	
326	3.4	1995	1995
350	3.7	1996	1996
378	4.0	1997	1997
495	5.2	1998	1998
540	5.7	1999	1999
598	6.3	2000	2000
570	6.0	2001	2001
590	6.2	2002	2002
532	5.6	2003	2003
559	5.9	2004	2004
592	6.2	2005	2005
771	8.1	2006	2006
727	7.6	2007	2007
673	7.0	2008	2008
323	3.4	2009	2009
35	0.4	2010	2010
418	4.4	9999	Unknown

Variable 325	VIN MAKE	Width: 5	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - VINMAKE

Vina derived - Make

Variable 326	VIN MODEL CARS	Width: 3	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - VINAMOD

Vina derived - Model (Passenger Vehicle)

Variable 327	VIN BODY TYPE	Width: 2	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - VINBT

Vina derived - Body Type

22Sep10 Prcnt Code Value and Description

Passenger Vehicles

AM	Ambulance
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)

Variable 327:VIN BODY TYPE (Continued)

22Sep10 Prcnt Code Value and Description

WW Wide Wheel Wagon
2D Sedan 2-Door
2F Formal Hardtop 2-Door
2H Hatchback 2-Door
2L Liftback 3-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 5-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
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 auto-based)

Variable 327:VIN BODY TYPE (Continued)

22Sep10	Prcnt	Code	Value and Description
		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
		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	4-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

Variable 327:VIN BODY TYPE (Continued)

22Sep10 Prcnt Code Value and Description

MY Mini Cycle
 RC Racer
 RS Road / Street
 RT Road / Trail
 T Dirt
 TL Trail / Dirt
 TR Trails

98 Missing
 99 Unknown

<u>Variable 328</u>	<u>VIN TYPE OF VEHICLE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - VEHTYPE

Vina derived - Vehicle Type

22Sep10 Prcnt Code Value and Description

9	0.1	13	M - Motorcycle
5146	53.9	16	P - Passenger vehicle
3948	41.3	20	T - Truck
5	0.1	21	U - Unknown
417	4.4	39	9 - Unknown
23	0.2	99	Unknown or unavailable

<u>Variable 329</u>	<u>VIN ROOF</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROOF1

Vina derived - Roof

22Sep10 Prcnt Code Value and Description

8040	84.2	1	Fixed
5	0.1	2	Manual sun / moon roof
647	6.8	3	Power sun / moon roof
14	0.1	4	Removable panels
15	0.2	5	Removable roof
33	0.3	6	Retractable roof panel
25	0.3	7	Other / unknown (VINRTN)
769	8.1	9	Unknown

<u>Variable 330</u>	<u>VIN OPTIONAL ROOF 1</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROOF2

Vina derived - Optional Roof 1

22Sep10	Prcnt	Code	Value and Description
15	0.2	1	Fixed
191	2.0	2	Manual sun / moon roof
4413	46.2	3	Power sun / moon roof
29	0.3	4	Removable panels
12	0.1	5	Removable roof
33	0.3	6	Retractable roof panel
10	0.1	7	Other / unknown (VINRTN)
4845	50.7	9	Unknown

<u>Variable 331</u>	<u>VIN OPTIONAL ROOF 2</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROOF3

Vina derived - Optional Roof 2

22Sep10	Prcnt	Code	Value and Description
0	0.0	1	Fixed
0	0.0	2	Manual sun / moon roof
9	0.1	3	Power sun / moon roof
1	0.0	4	Removable panels
3	0.0	5	Removable roof
79	0.8	6	Retractable roof panel
4	0.0	7	Other / unknown (VINRTN)
9452	99.0	9	Unknown

<u>Variable 332</u>	<u>VIN VEH WEIGHT - CAR</u>	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

NHTSA SAS Variable - VEHWGT

Vina derived - Base Shipping Weight (Passenger Vehicle & Motorcycles)

22Sep10	Prcnt	Code	Value and Description
103	1.1	0	
1	0.0	216	216 pounds
		-	Nearest Pound
1	0.0	6041	6041 pounds
4402	46.1	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 333</u>	<u>VINA SERIES TRUCK</u>	Width: 3	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - SERTR

Vina derived - Series (Truck)

<u>Variable 334</u>	<u>VIN TRUCK WEIGHT CODE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - WGTCDTR

Vina derived - Weight Code (Trucks)

22Sep10 Prcnt Code Value and Description

2431	25.5	1	6,000 lbs & under
1260	13.2	2	6,001 - 10,000 lbs
48	0.5	3	10,001 - 14,000 lbs
20	0.2	4	14,001 - 16,000 lbs
10	0.1	5	16,001 - 19,500 lbs
20	0.2	6	19,501 - 26,000 lbs
26	0.3	7	26,001 - 33,000 lbs
128	1.3	8	Over 33,000 lbs
5605	58.7	9	Weight unknown

<u>Variable 335</u>	<u># WHEELS/# DRIVE WHEELS</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - WHLDRWHL

Vina derived - Wheels / Driving Wheels (Trucks)

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

22Sep10 Prcnt Code Value and Description

1905	20.0	42	4 wheels / 2 drive wheels
1914	20.0	44	4 wheels / 4 drive wheels
119	1.2	64	6 wheels / 4 drive wheels
5610	58.8	99	Unknown

<u>Variable 336</u>	<u>VIN FRONT WHEEL DRIVE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - FRTWHLDR

Vina derived - Front Wheel Drive

22Sep10	Prcnt	Code	Value and Description
843	8.8	14	No
4224	44.2	25	Yes
418	4.4	39	Unknown
13	0.1	98	Some vehicles of this series (*)
4050	42.4	99	Not applicable or missing data

<u>Variable 337</u>	<u>VIN FOUR WHEEL DRIVE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - FOURWHDR

Vina derived - Four Wheel Drive

22Sep10	Prcnt	Code	Value and Description
4884	51.2	14	No
182	1.9	25	Yes
418	4.4	39	Unknown
14	0.1	98	Some vehicles of this series (*)
4050	42.4	99	Not applicable or missing data

<u>Variable 338</u>	<u>VIN RESTRAINT TYPE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - RESTYPE

Vina derived - Restraint Type

22Sep10	Prcnt	Code	Value and Description
416	4.4	1	A - Active (manual) belts
34	0.4	2	B - Driver front air bag / passenger side belt unknown
39	0.4	3	C - Dual front air bags / belt system unknown
72	0.8	4	D - Driver front air bag / passenger side passive belt
4148	43.4	5	E - Dual front air bags / active belts
22	0.2	6	F - Dual front air bags / passive belts
3	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
5	0.1	9	I - Dual air bags front, head and sides / passive belts
10	0.1	10	J - Dual air bags front and sides / passive belts
867	9.1	11	K - Dual air bags front and sides / active belts
282	3.0	12	L - Dual air bags front, head and sides / active belts
347	3.6	13	M - Driver front air bag / passenger side active belt

Variable 338:VIN RESTRAINT TYPE (Continued)

22Sep10	Prcnt	Code	Value and Description
0	0.0	14	N - If unable to determine
192	2.0	16	P - Passive (automatic) belts
249	2.6	18	R - Dual air bags front and side / active belts w/automatic passenger sensor
512	5.4	19	S - Dual air bags front, head, and side / active belts w/automatic passenger sensor
7	0.1	20	T - Dual air bags front / active belts / rear passenger side air bag
443	4.6	21	U - Dual front air bag / active belts w/passenger side deactivation/cutoff switch
68	0.7	22	V - Dual air bags front, head, and side / active belts / rear dual side air bags
131	1.4	23	W - Dual air bags front, head, and side / active belts w/automatic passenger sensor / rear dual side air bags
37	0.4	24	X - Dual air bags front and side air bag / active belts, driver-side only
53	0.6	33	3 - Dual front and head air bags with passenger sensor, active belts
348	3.6	34	4 - Dual front air bags with passenger sensor, active belts
539	5.6	37	7 - Dual front, side, and head air bags, rear head air bags, active belts
418	4.4	39	Unknown
306	3.2	99	Not applicable or missing data

Variable 339	DAYTIME RUNNING LIGHTS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - DAYRUNLT

Vina derived - Daytime Running Lights

22Sep10	Prcnt	Code	Value and Description
4228	44.3	14	N - Not available
1135	11.9	15	O - Optional
2987	31.3	19	S - Standard
429	4.5	21	U - Unknown
418	4.4	39	9 - Unknown
351	3.7	99	Missing data

Variable 340	VIN ANTILOCK BRAKES	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ANTILOCK

Vina derived - Antilock Brakes

Variable 340:VIN ANTILOCK BRAKES (Continued)

22Sep10	Prcnt	Code	Value and Description
	547 5.7	1	Not available
	5296 55.5	2	4 wheel standard
	295 3.1	3	Rear only standard
	230 2.4	4	ABS standard, wheels unknown
	1908 20.0	5	4 wheel optional
	13 0.1	6	Rear only optional
	442 4.6	7	ABS optional, wheels unknown
	48 0.5	8	Unknown (VINRTN)
	769 8.1	9	Unknown

Variable 341	VIN CARBURETION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CARBUR

Vina derived - Carburetion (Passenger Vehicles)

22Sep10	Prcnt	Code	Value and Description
	0 0.0	2	B - Higher HP, 1 barrel carburetor
	0 0.0	3	C - 1 barrel turbo
	4886 51.2	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
	0 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
	0 0.0	19	S - Lower HP, 4 barrel carburetor
	172 1.8	20	T - 1,2,4 barrels, turbo fuel injected
	0 0.0	22	V - 4 barrels, turbo
	0 0.0	25	Y - Unknown, turbo
	43 0.5	26	Z - Unknown super charged
	1 0.0	31	1 barrel
	18 0.2	32	2 barrels
	0 0.0	33	3 barrels
	13 0.1	34	4 barrels
	418 4.4	39	Not applicable or missing data
	3997 41.9	99	Unknown

Variable 342	VIN FUEL CODE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - FUELCODE

Vina derived - Fuel Code

22Sep10	Prcnt	Code	Value and Description
49	0.5	2	B - Electric and gasoline hybrid engine
7	0.1	3	C - Gasoline engine that can be easily converted to a gaseous powered engine (powered by natural gas, propane, etc,)
318	3.3	4	D - Diesel
0	0.0	5	E - Electric
285	3.0	6	F - Flexible fuel
8419	88.2	7	G - Gasoline
0	0.0	8	H - Ethanol fuel only
0	0.0	13	M - Methanol fuel only
1	0.0	14	N - Compressed Natural Gas
0	0.0	16	P - Propane
418	4.4	39	9 - Unknown
51	0.5	99	Not applicable or missing data

Variable 343	MTRCYCLE ENGINE DISPLACE	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

NHTSA SAS Variable - MCYCLDS

Vina derived - Motorcycle cubic centimeters (CC's) Engine Displacement

22Sep10	Prcnt	Code	Value and Description
1	0.0	200	200 cc
		-	Displacement in cubic centimeters
1	0.0	1584	1584 cc
9539	99.9	9999	9999 unknown or not a motorcycle

Variable 344	TYPE OF VEH INSPECTION	Width: 1	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - INSPTYPE

Type of vehicle inspection

22Sep10	Prcnt	Code	Value and Description
2052	21.5	0	No inspection
327	3.4	1	Vehicle fully repaired - no damage evident
3155	33.0	2	Partial inspection - other
2767	29.0	3	Complete Inspection

Variable 344:TYPE OF VEH INSPECTION (Continued)

22Sep10	Prcnt	Code	Value and Description
564	5.9	4	Partial inspection - non tow
365	3.8	5	Partial inspection - photos only
318	3.3	9	Inapplicable - Body Type (V309) = 50-99

Variable 345	VEHICLE DISPOSITION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TOWPAR

Police reported vehicle disposition

22Sep10	Prcnt	Code	Value and Description
1793	18.8	0	Not towed due to vehicle damage
7370	77.2	1	Towed due to vehicle damage
385	4.0	9	Unknown

Variable 346	VEHICLE CURB WEIGHT	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - CURBWGT

22Sep10	Prcnt	Code	Value and Description
0	0.0	45	Less than 450 kilograms
1	0.0	73	- Weight (to nearest 10 kilograms)
1	0.0	357	
589	6.2	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 347	VEHICLE CARGO WEIGHT	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - CARGOWGT

22Sep10	Prcnt	Code	Value and Description
6272	65.7	0	Less than 5 kilograms
37	0.4	5	- Weight (to nearest 10 kilograms)
1	0.0	257	
2945	30.8	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 348</u>	<u>TOWED TRAILING UNIT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TOWHITCH

22Sep10	Prcnt	Code	Value and Description
8821	92.4	0	No towed unit
39	0.4	1	Yes, towed trailing unit
688	7.2	9	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 349</u>	<u>VEHICLE SPECIAL USE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - VEHUSE

22Sep10	Prcnt	Code	Value and Description
9368	98.1	0	No special use
36	0.4	1	Taxi
13	0.1	2	Vehicle used as school bus
34	0.4	3	Vehicle used as other bus
0	0.0	4	Military
29	0.3	5	Police
9	0.1	6	Ambulance
3	0.0	7	Fire truck
2	0.0	8	Emergency services vehicle
54	0.6	9	Unknown

<u>Variable 350</u>	<u>TRANSPORT STATUS</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TRANSTAT

22Sep10	Prcnt	Code	Value and Description
9166	96.0	1	In-transport
378	4.0	2	Not in-transport
4	0.0	3	Working motor vehicle

<u>Variable 351</u>	<u>FRONT OVERRIDE/UNDERRIDE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FOVERIDE

22Sep10	Prcnt	Code	Value and Description
7630	79.9	0	No override/underride, or not an end-over-end between 2 CDS applicable vehs, & no M/H trk or bus underride

Variable 351:FRONT OVERRIDE/UNDERRIDE (Continued)

22Sep10 Prcnt Code Value and Description

			Override
84	0.9	1	First CDC
7	0.1	2	Second CDC
0	0.0	3	Other nonautomated CDC
			Underride
259	2.7	4	First CDC
11	0.1	5	Second CDC
0	0.0	6	Other nonautomated CDC
104	1.1	7	Medium or heavy truck override or underride
1453	15.2	9	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 352	REAR OVERRIDE/UNDERRIDE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROVERRIDE

22Sep10 Prcnt Code Value and Description

8052	84.3	0	No override/underride, or not end-over-end between two CDS applicable vehs, and no M/H trk or bus underride
			Override
149	1.6	1	First CDC
10	0.1	2	Second CDC
0	0.0	3	Other nonautomated CDC
			Underride
42	0.4	4	First CDC
8	0.1	5	Second CDC
0	0.0	6	Other nonautomated CDC
20	0.2	7	Medium or heavy truck override or underride
1267	13.3	9	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 353	WEIGHT - OTHER VEHICLE	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - OTVEHWGT

22Sep10 Prcnt Code Value and Description

0	0.0	45	Less than 450 kilograms
1	0.0	73	
		-	Weight (to nearest 10 kilograms)
2	0.0	353	
0	0.0	610	6,100 kilograms or more

Variable 353:WEIGHT - OTHER VEHICLE (Continued)

22Sep10	Prcnt	Code	Value and Description
1565	16.4	998	Not applicable (most severe impact not with another vehicle or with vehicle hitting itself)
2427	25.4	999	Unknown

Variable 354	BODY TYPE - OTHER VEH	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - OTBDYTYTP

22Sep10	Prcnt	Code	Value and Description
Automobiles			
64	0.7	1	Convertible (excludes sun roof, t-bar)
387	4.1	2	2-door sedan, hardtop, coupe
131	1.4	3	3-door/2-door hatchback
2463	25.8	4	4-door sedan, hardtop
124	1.3	5	5-door/4-door hatchback
157	1.6	6	Station Wagon (excluding van and truck based)
1	0.0	7	Hatchback, number of doors unknown
3	0.0	8	Other automobile type
22	0.2	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)
1	0.0	12	Large limousine - more than four side doors or stretched chassis
0	0.0	13	Three-wheel automobile or automobile derivative
Utility Vehicles (< 4,536 kgs GVWR)			
865	9.1	14	Compact utility (includes Jeep CJ-2 thru Jeep CJ-7, Renegade, Wrangler, Navajo, Bronco, Thing)
260	2.7	15	Large utility (includes Jeep Cherokee, Ram Charger, Trailduster, fullsize Blazer, Scout)
46	0.5	16	Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
3	0.0	17	3-door coupe
6	0.1	19	Utility unknown body type
Van Based Light Trucks (< 4,536 kgs GVWR)			
322	3.4	20	Minivan (Astro, Caravan, Plymouth Vista, Aerostar, Safari, etc.)
94	1.0	21	Large van (Sportsman, Royal, Ram, Chevy Van, Voyager-Pre83, Econoline, etc.)
2	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)
6	0.1	25	Van based other bus (< 4,536 kgs GVWR)

Variable 354:BODY TYPE - OTHER VEH (Continued)

22Sep10	Prcnt	Code	Value and Description
7	0.1	28	Other van type (Hi-Cube Van, Kary)
0	0.0	29	Unknown van type
			Lt Conventional Truck (P.U. style cab, < 4,536 kgs. GVWR)
247	2.6	30	Compact pickup (Ram 50, Dakota, Arrow Pickup, Ranger, Toyota Pickup, etc.)
431	4.5	31	Large pickup (Jeep Pickup, Comanche, Silverado, Sierra, etc.)
0	0.0	32	Pickup with slide-in camper
0	0.0	33	Convertible pickup
8	0.1	39	Unknown (pickup style) light conventional truck
			Other Light Trucks (< or = 4,536 kgs. GVWR)
10	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)
10	0.1	50	School bus (designed to carry students, not cross country or transit)
18	0.2	58	Other bus type (e.g., transit, intercity, bus based motorhome)
3	0.0	59	Unknown bus type
			Medium/Heavy Trucks (> 4,536 kgs GVWR)
2	0.0	60	Step van (> 4,536 kgs GVWR)
12	0.1	61	Single unit straight truck (4,536 kgs < GVWR < or = 8,845 kgs)
8	0.1	62	Single unit straight truck (8,845 kgs < GVWR < or = 11,793 kgs)
28	0.3	63	Single unit straight truck (>11,793 kgs GVWR)
13	0.1	64	Single unit straight truck, GVWR unknown
0	0.0	65	Medium/heavy truck based motorhome
9	0.1	67	Truck-tractor with no cargo trailer
80	0.8	68	Truck-tractor pulling one trailer
7	0.1	69	Truck-tractor pulling two or more trailers
1	0.0	70	Truck-tractor (unknown if pulling trailer)
3	0.0	74	Medium / heavy pickup (>= 4,536 kgs)
12	0.1	78	Unknown medium/heavy truck type
1	0.0	79	Unknown truck type (light/medium/heavy)
			Motored Cycles (Does not include atv/atc)
8	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

Variable 354:BODY TYPE - OTHER VEH (Continued)

22Sep10	Prcnt	Code	Value and Description
			Other Vehicles
1	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
1	0.0	93	Construction equipment other than trucks
0	0.0	97	Other type vehicle
1565	16.4	98	Not applicable (most severe impact not with another vehicle or with vehicle hitting itself)
2103	22.0	99	Unknown body type

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

NHTSA SAS Variable - ROLLOVER

22Sep10	Prcnt	Code	Value and Description
8154	85.4	0	No rollover (no overturning)
			Rollover (primarily about the longitudinal axis)
126	1.3	1	Rollover - one quarter turn only
203	2.1	2	Rollover - two quarter turns
51	0.5	3	Rollover - three quarter turns
134	1.4	4	Rollover - four quarter turns
21	0.2	5	Rollover - five quarter turn
63	0.7	6	Rollover - six quarter turns
8	0.1	7	Rollover - seven quarter turns
21	0.2	8	Rollover - eight quarter turns
3	0.0	9	Rollover - nine quarter turns
3	0.0	10	Rollover - ten quarter turns
0	0.0	11	Rollover - eleven quarter turns
3	0.0	12	Rollover - twelve quarter turns
0	0.0	13	Rollover - thirteen quarter turns
0	0.0	14	Rollover - fourteen quarter turns
0	0.0	15	Rollover - fifteen quarter turns
1	0.0	16	Rollover - sixteen quarter turns
0	0.0	17	Rollover - seventeen or more quarter turns
			Rollover (primarily about the lateral axis)
7	0.1	98	Rollover - end-over-end
750	7.9	99	Rollover (overturn) - details unknown or Inapplicable - Body Type (V309) = 50-99

Variable 356	ROLLOVER INITIATION TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - ROLINTYP

For diagram see Appendix A

22Sep10	Prcnt	Code	Value and Description
8154	85.4	0	No rollover (no overturning)
413	4.3	1	Trip-over
49	0.5	2	Flip-over
12	0.1	3	Turn-over (specify)
11	0.1	4	Climb-over
30	0.3	5	Fall-over
47	0.5	6	Bounce-over
71	0.7	7	Collision with another vehicle
4	0.0	8	Other rollover initiation type (specify)
7	0.1	98	Rollover - end-over-end
750	7.9	99	Unknown rollover initiation type or Inapplicable - Body Type (V309) = 50-99

Variable 357	LOCATION OF ROLLOVER INI	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROLINLOC

Location of rollover initiation

22Sep10	Prcnt	Code	Value and Description
8154	85.4	0	No rollover (no overturning)
160	1.7	1	On roadway
24	0.3	2	On shoulder - paved
45	0.5	3	On shoulder - unpaved
407	4.3	4	On roadside or divided trafficway median
7	0.1	8	Rollover -- end-over-end
751	7.9	9	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 358	ROLLOVER INIT OBJ CONTAC	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - ROLLOBJ

Rollover initiation object contacted

22Sep10	Prcnt	Code	Value and Description
8154	85.4	0	No rollover
			Collision with another vehicle
29	0.3	1	Vehicle Number 1

Variable 358:ROLLOVER INIT OBJ CONTAC (Continued)

22Sep10	Prcnt	Code	Value and Description
31	0.3	2	Vehicle Number 2
7	0.1	3	Vehicle Number 3
Noncollision			
42	0.4	31	Turn-over - fall-over
7	0.1	32	No rollover impact initiation (end-over-end)
0	0.0	34	Jackknife
Collision with fixed object			
7	0.1	41	Tree (<= 10 centimeters in diameter)
19	0.2	42	Tree (> 10 centimeters in diameter)
2	0.0	43	Shrubbery or bush
21	0.2	44	Embankment
1	0.0	45	Breakaway pole or post (any diameter)
13	0.1	46	Metal guardrail
0	0.0	47	Cable barrier guardrail
Nonbreakaway pole or post			
0	0.0	50	Pole or post (<= 10 centimeters in diameter)
12	0.1	51	Pole or post (> 10 centimeters but <= 30 centimeters in diameter)
3	0.0	52	Pole or post (> 30 centimeters in diameter)
0	0.0	53	Pole or post (diameter unknown)
17	0.2	54	Concrete traffic barrier
0	0.0	55	Impact attenuator
0	0.0	56	Other traffic barrier (specify)
1	0.0	57	Fence
6	0.1	58	Wall
0	0.0	59	Building
5	0.1	60	Ditch or culvert
362	3.8	61	Ground
0	0.0	62	Fire hydrant
20	0.2	63	Curb
3	0.0	64	Bridge
28	0.3	68	Other fixed object (specify)
0	0.0	69	Unknown fixed object
Collision with nonfixed object			
4	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
2	0.0	77	Railway vehicle
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 (specify)
0	0.0	89	Unknown nonfixed object
0	0.0	98	Other event (specify)

Variable 358:ROLLOVER INIT OBJ CONTAC (Continued)

22Sep10 Prcnt Code Value and Description

750	7.9	99	Unknown event or object or Inapplicable - Body Type (V309) = 50-99

<u>Variable 359</u>	<u>PRIN TRIP FORCE APPLIED</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TRIPLOC

Location on vehicle where initial principal tripping force is applied

22Sep10 Prcnt Code Value and Description

8154	85.4	0	No rollover
415	4.3	1	Wheels / tires
66	0.7	2	Side plane
54	0.6	3	End plane
60	0.6	4	Undercarriage
0	0.0	5	Other location on vehicle (specify)
42	0.4	6	Noncontact rollover forces (specify)
7	0.1	8	Rollover -- end-over-end
750	7.9	9	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 360</u>	<u>DIRECTION OF INITIAL ROL</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROLINDIR

Direction of initial roll

22Sep10 Prcnt Code Value and Description

8154	85.4	0	No rollover
279	2.9	1	Roll right - primarily about longitudinal axis
358	3.7	2	Roll left - primarily about longitudinal axis
7	0.1	8	Rollover -- end-over-end (i.e., primarily about lateral axis)
750	7.9	9	Unknown roll direction or Inapplicable - Body Type (V309) = 50-99

Variable 361	INTERRUPTED ROLLOVER	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INTEROLL

Was rollover sequence interrupted?

22Sep10	Prcnt	Code	Value and Description
131	1.4	1	Yes, rollover sequence was interrupted
504	5.3	2	No, rollover sequence was not interrupted
8154	85.4	8	No rollover
759	7.9	9	Unknown

Variable 362	PRE ROLLOVER MANEUVER	Width: 2	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - PROLLMAN

Last controlled maneuver, relative to the roadway, prior to the initiation of the rollover

22Sep10	Prcnt	Code	Value and Description
8154	85.4	1	No rollover
34	0.4	2	Departing roadway (to paved surface)
344	3.6	3	Departed roadway (to non-paved surface)
16	0.2	4	Returning to roadway (from paved surface)
20	0.2	5	Returning to roadway (from non-paved surface)
161	1.7	6	On roadway maneuver
69	0.7	7	Off roadway maneuver
750	7.9	99	Unknown

Variable 363	DISTANCE OF ROLLOVER	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - ROLLDIST

Estimated distance from trip point to final rest position

22Sep10	Prcnt	Code	Value and Description
2	0.0	0	
20	0.2	2	
		-	Actual coded value in meters
1	0.0	79	
8154	85.4	888	Not a rollover
7	0.1	998	End-over-end rollover
959	10.0	999	Unknown

<u>Variable 364</u>	<u>HEADING ANGLE - THIS VEH</u>	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - ANGTTHIS

Heading angle for this vehicle

22Sep10	Prcnt	Code	Value and Description
820	8.6	0	- Actual coded value
47	0.5	355	
18	0.2	996	Nonhorizontal impact
368	3.9	997	Noncollision
1550	16.2	998	Impact with object
722	7.6	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 365</u>	<u>HEADING ANGLE - OTH VEH</u>	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - ANGOTHER

Heading angle for other vehicle

22Sep10	Prcnt	Code	Value and Description
793	8.3	0	- Actual coded value
53	0.6	355	
18	0.2	996	Nonhorizontal impact
368	3.9	997	Noncollision
1550	16.2	998	Impact with object
723	7.6	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 366</u>	<u>RECONSTRUCT CONFIDENCE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - DVCONFID

Confidence in reconstruction program results

22Sep10	Prcnt	Code	Value and Description
4575	47.9	0	No reconstruction
2197	23.0	1	Collision fits model - results appear reasonable
54	0.6	2	Collision fits model - results appear high
142	1.5	3	Collision fits model - results appear low
1901	19.9	4	Borderline reconstruction
679	7.1	9	Inapplicable - Body Type (V309) = 50-99

Variable 367	BASIS FOR TOTAL DELTA-V	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - DVBASIS

22Sep10	Prcnt	Code	Value and Description
1412	14.8	0	No vehicle inspection
			Delta-v calculated
2339	24.5	1	Reconstruction program - damage only routine
4	0.0	2	Reconstruction program - damage and trajectory routine
1951	20.4	3	Missing vehicle algorithm
			Delta-v not calculated
403	4.2	4	At least one vehicle is beyond the scope of reconstruction program regardless of collision condition
323	3.4	5	Rollover
102	1.1	6	Other nonhorizontal forces
278	2.9	7	Sideswipe type damage
33	0.3	8	Severe override
373	3.9	9	Yielding object
116	1.2	10	Overlapping damage
1383	14.5	11	All vehs & collision conditions are within scope, but there is insufficient data available
152	1.6	98	Other
679	7.1	99	Inapplicable - Body Type (V309) = 50-99

Variable 368	DELTA-V EVENT NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - ACCSEQDV

Event number for Highest Delta-v

22Sep10	Prcnt	Code	Value and Description
6092	63.8	1	Event #1
869	9.1	2	Event #2
296	3.1	3	Event #3
121	1.3	4	Event #4
44	0.5	5	Event #5
25	0.3	6	Event #6
7	0.1	7	Event #7
2	0.0	8	Event #8
1	0.0	11	Event #11
2091	21.9	99	Unknown, no indication of Delta-v coded, or Inapplicable - Body Type (V309) = 50-99

<u>Variable 369</u>	<u>TOTAL DELTA-V</u>	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DVTOTAL

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	Less than 0.5 kmph
3	0.0	3	- Nearest kmph
1	0.0	145	
0	0.0	160	159.5 kmph and above
5254	55.0	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 370</u>	<u>LONG COMPONENT DELTA-V</u>	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

NHTSA SAS Variable - DVLONG

Values may be negative

22Sep10	Prcnt	Code	Value and Description
0	0.0	-160	-159.5 kmph and below
1	0.0	-145	- Nearest kmph
1	0.0	89	
0	0.0	160	159.5 kmph and above
5254	55.0	999	Not calculated
0	0.0	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 371</u>	<u>LAT COMPONENT DELTA-V</u>	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

NHTSA SAS Variable - DVLAT

Values may be negative

22Sep10	Prcnt	Code	Value and Description
0	0.0	-160	-159.5 kmph and below
1	0.0	-87	- Nearest kmph
1	0.0	103	
0	0.0	160	159.5 kmph and above
5254	55.0	999	Not calculated

Variable 372	ENERGY ABSORPTION	Width: 4	Type: Numeric
		Dec: None	Miss: 9999

NHTSA SAS Variable - ENERGY

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	Less than 50 joules
2	0.0	4	- Nearest 100 joules
1	0.0	9852	
0	0.0	9997	999,650 joules or more
5254	55.0	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 373	BARRIER EQUIVALENT SPEED	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - BAREQSP

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	Less than 0.5 kmph
2	0.0	2	- nearest kmph
1	0.0	150	
0	0.0	160	> or = 159.5 kmph and above
4896	51.3	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 374	EST HIGHEST DELTA-V	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - DVEST

Estimated Highest Delta-v (Researcher determined)

22Sep10	Prcnt	Code	Value and Description
4652	48.7	0	Reconstruction delta-v coded
			Estimated Delta-v
3	0.0	1	Less than 10 kmph
11	0.1	2	Delta-v >= 10 kmph < 25 kmph
9	0.1	3	Delta-v >= 25 kmph < 40 kmph
1	0.0	4	Delta-v >= 40 kmph < 55 kmph
6	0.1	5	Delta-v >= 55 kmph
			Other estimates of damage severities
565	5.9	6	Minor
1275	13.4	7	Moderate
273	2.9	8	Severe

Variable 374:EST HIGHEST DELTA-V (Continued)

22Sep10 Prcnt Code Value and Description

2753 28.8 9 Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 375	SPEED LIMIT (KMPH)	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - SPLIMIT

22Sep10 Prcnt Code Value and Description

40	0.4	0	No statutory limit
4	0.0	8	8 kmph (5 mph)
		-	Posted or statutory limit (kmph)
32	0.3	121	121 kmph (75mph)
498	5.2	999	Unknown

Variable 376	TRAVEL SPEED (KMPH)	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - TRAVELSP

Police reported travel speed (mph x 1.6093 = kmph)

22Sep10 Prcnt Code Value and Description

762	8.0	0	Stopped vehicle or traveling less than 0.5 kmph
4	0.0	2	
		-	Police reported travel speed (kmph)
1	0.0	151	
5	0.1	160	159.5 kmph or greater
6495	68.0	999	Unknown

Variable 377	IMPACT SPEED	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - IMPACTSP

22Sep10 Prcnt Code Value and Description

2	0.0	0	< 0.5 kmph
1	0.0	6	6 kmph
1	0.0	37	37 kmph
4290	44.9	998	Trajectory algorithm
5254	55.0	999	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 378	CRASH TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - ACCTYPE

22Sep10	Prcnt	Code	Value and Description
3	0.0	0	No impact
431	4.5	1	- Diagram number (see Appendix B)
14	0.1	93	
911	9.5	98	Other crash type
384	4.0	99	Unknown crash type

Variable 379	TRAJECTORY DATA DOC	Width: 1	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - DOCTRAJ

Documentation of trajectory data for this vehicle?

22Sep10	Prcnt	Code	Value and Description
7279	76.2	0	No
1590	16.7	1	Yes
679	7.1	9	Inapplicable - Body Type (V309) = 50-99

Variable 380	POST COLL TREE/POLE COND	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CONDTREE

Post collision condition of tree or pole

22Sep10	Prcnt	Code	Value and Description
8093	84.8	0	Not collision (for highest delta-v) with tree or pole
496	5.2	1	Not damaged
105	1.1	2	Cracked/sheared
29	0.3	3	Tilted < 45 degrees
20	0.2	4	Tilted >= 45 degrees
19	0.2	5	Uprooted tree
21	0.2	6	Separated pole from base
61	0.6	7	Pole replaced
8	0.1	8	Other (specify)
696	7.3	9	Unknown or Inapplicable Body Type (V309) = 50-99

Variable 381	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)

22Sep10	Prcnt	Code	Value and Description
20	0.2	0	No driver present
2740	28.7	1	Attentive or not distracted
352	3.7	2	Looked but did not see
			Distractions
82	0.9	3	By other occupant(s)
13	0.1	4	By moving object in vehicle
29	0.3	5	While talking or listening to cellular phone (specify location and type of phone)
12	0.1	6	While dialing cellular phone (specify location/type of phone)
3	0.0	7	While adjusting climate controls
17	0.2	8	While adjusting radio, cassette, CD (specify)
5	0.1	9	While using other device/controls integral to vehicle (specify)
50	0.5	10	While using or reaching for device/object brought into vehicle (specify)
136	1.4	11	Sleepy or fell asleep
132	1.4	12	Distracted by outside person, object, or event (specify)
16	0.2	13	Eating or drinking (specify)
8	0.1	14	Smoking related (specify)
37	0.4	97	Distracted, details unknown
231	2.4	98	Other, distraction/inattentive (specify)
5665	59.3	99	Unknown

Variable 382	PRE-EVENT MOVEMENT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - PREMOVE

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

22Sep10	Prcnt	Code	Value and Description
20	0.2	0	No driver present
4630	48.5	1	Going straight
245	2.6	2	Decelerating in traffic lane
32	0.3	3	Accelerating in traffic lane
41	0.4	4	Starting in traffic lane
992	10.4	5	Stopped in traffic lane
80	0.8	6	Passing or overtaking another vehicle
8	0.1	7	Disabled or parked in travel lane
14	0.1	8	Leaving a parking position
2	0.0	9	Entering a parking position

Variable 382:PRE-EVENT MOVEMENT (Continued)

22Sep10	Prcnt	Code	Value and Description
145	1.5	10	Turning right
1139	11.9	11	Turning left
57	0.6	12	Making U-turn
13	0.1	13	Backing up (other than for parking position)
1463	15.3	14	Negotiating a curve
172	1.8	15	Changing lanes
26	0.3	16	Merging
60	0.6	17	Successful avoidance maneuver to a previous critical event
9	0.1	97	Other
400	4.2	99	Unknown

Variable 383	CRITICAL PRECRASH EVENT	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - PREEVENT

Initial critical precrash event (Precrash 2)

22Sep10	Prcnt	Code	Value and Description
This Vehicle Loss of Control Due To:			
32	0.3	1	Blow out/flat tire
0	0.0	2	Stalled engine
16	0.2	3	Disabling vehicle failure (e.g. wheel fell off)
9	0.1	4	Non-disabling vehicle problem (e.g. hood flew up)
126	1.3	5	Poor road conditions (puddle, pothole, ice, etc.)
482	5.0	6	Traveling too fast for conditions
41	0.4	8	Other cause of control loss
94	1.0	9	Unknown cause of control loss
This Vehicle Traveling:			
354	3.7	10	Over the lane line on left side of travel lane
162	1.7	11	Over the lane line on right side of travel lane
351	3.7	12	Off the edge of the road on the left side
560	5.9	13	Off the edge of the road on the right side
27	0.3	14	End departure
948	9.9	15	Turning left at intersection
79	0.8	16	Turning right at intersection
864	9.0	17	Crossing over (passing through) intersection
18	0.2	18	This vehicle decelerating
11	0.1	19	Unknown travel direction
Other Motor Vehicle in Lane:			
627	6.6	50	Other vehicle stopped
136	1.4	51	Traveling in same direction with lower or steady speed
299	3.1	52	Traveling in same direction while decelerating
1135	11.9	53	Traveling in same direction with higher speed
105	1.1	54	Traveling in opposite direction

Variable 383:CRITICAL PRECRASH EVENT (Continued)

22Sep10	Prcnt	Code	Value and Description
8	0.1	55	In crossover
5	0.1	56	Backing
8	0.1	59	Unknown travel direction of other motor vehicle in lane
Other Motor Vehicle Encroaching Into Lane:			
198	2.1	60	From adjacent lane (same direction) - over left lane line
215	2.3	61	From adjacent lane (same direction) - over right lane line
972	10.2	62	From opposite direction over left lane line
52	0.5	63	From opposite direction over right lane line
25	0.3	64	From parking lane
79	0.8	65	From crossing street, turning into same direction
551	5.8	66	From crossing street, across path
220	2.3	67	From crossing street, turning into opposite direction
14	0.1	68	From crossing street, intended path not known
25	0.3	70	From driveway, turning into same direction
16	0.2	71	From driveway, across path
85	0.9	72	From driveway, turning into opposite direction
7	0.1	73	From driveway, intended path not known
7	0.1	74	From entrance to limited access highway
6	0.1	78	Encroachment by other vehicle - details unknown
Pedestrian or Pedalcyclist, or Other Nonmotorist			
5	0.1	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
1	0.0	84	Pedalcyclist or other nonmotorist approaching roadway
0	0.0	85	Pedalcyclist or other nonmotorist - unknown location
Object or Animal			
95	1.0	87	Animal in roadway
4	0.0	88	Animal approaching roadway
0	0.0	89	Animal - unknown location
23	0.2	90	Object in roadway
5	0.1	91	Object approaching roadway
2	0.0	92	Object - unknown location
55	0.6	98	Other critical pre-crash event
387	4.1	99	Unknown

Variable 384	PRE-IMPACT STABILITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - PREISTAB

22Sep10	Prcnt	Code	Value and Description
20	0.2	0	No driver present
6159	64.5	1	Tracking

Variable 384:PRE-IMPACT STABILITY (Continued)

22Sep10	Prcnt	Code	Value and Description
564	5.9	2	Skidding longitudinally rotation less than 30 degrees
293	3.1	3	Skidding laterally clockwise rotation
319	3.3	4	Skidding laterally counterclockwise rotation
18	0.2	7	Other vehicle loss-of-control
2175	22.8	9	Pre-crash stability unknown

Variable 385	PRE-IMPACT LOCATION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - PREILOC

22Sep10	Prcnt	Code	Value and Description
20	0.2	0	No driver present
6542	68.5	1	Stayed in original travel lane
690	7.2	2	Stayed on roadway but left original travel lane
19	0.2	3	Stayed on roadway, not known if left original travel lane
1722	18.0	4	Departed roadway
2	0.0	5	Remained off roadway
50	0.5	6	Returned to roadway
64	0.7	7	Entered roadway
439	4.6	9	Unknown

Variable 386	ATTEMPTED AVOID MANEUVER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - MANEUVER

Attempted avoidance maneuver

22Sep10	Prcnt	Code	Value and Description
20	0.2	0	No driver present
3063	32.1	1	No avoidance maneuver
508	5.3	2	Braking (no lockup)
289	3.0	3	Braking (lockup)
93	1.0	4	Braking (lockup unknown)
3	0.0	5	Releasing brakes
294	3.1	6	Steering left
257	2.7	7	Steering right
174	1.8	8	Braking and steering left
215	2.3	9	Braking and steering right
38	0.4	10	Accelerating
13	0.1	11	Accelerating and steering left
4	0.0	12	Accelerating and steering right
32	0.3	98	Other action
4545	47.6	99	Unknown

<u>Variable 387</u>	<u>RELATION TO INTERCHANGE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - RELINTER

Relation to interchange or junction

22Sep10	Prcnt	Code	Value and Description
3547	37.1	0	Noninterchange area and non-junction
576	6.0	1	Interchange area related
			NonInterchange junctions
4419	46.3	2	Intersection related/noninterchange
609	6.4	3	Driveway, alley access related/noninterchange
15	0.2	4	Other junction/noninterchange
0	0.0	5	Unknown type of junction/non-interchange
382	4.0	9	Unknown

<u>Variable 388</u>	<u>TRAFFICWAY FLOW</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TRAFFLOW

22Sep10	Prcnt	Code	Value and Description
5607	58.7	0	Not divided
1807	18.9	1	Divided trafficway-median strip without positive barrier
1195	12.5	2	Divided trafficway-median strip with positive barrier
554	5.8	3	One way traffic
0	0.0	4	Not physically divided (two way traffic)
0	0.0	5	Not physically divided with two way left turn lane
385	4.0	9	Unknown

<u>Variable 389</u>	<u>NUMBER OF TRAVEL LANES</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - LANES

22Sep10	Prcnt	Code	Value and Description
277	2.9	1	One
3937	41.2	2	Two
1612	16.9	3	Three
1591	16.7	4	Four
1307	13.7	5	Five
276	2.9	6	Six
165	1.7	7	Seven or more
383	4.0	9	Unknown

Variable 390	ROADWAY ALIGNMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ALIGNMNT

22Sep10	Prcnt	Code	Value and Description
7301	76.5	1	Straight
910	9.5	2	Curve right
955	10.0	3	Curve left
382	4.0	9	Unknown

Variable 391	ROADWAY PROFILE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - PROFILE

22Sep10	Prcnt	Code	Value and Description
6531	68.4	1	Level
1305	13.7	2	Uphill grade (> 2%)
74	0.8	3	Hillcrest
1211	12.7	4	Downhill grade (> 2%)
17	0.2	5	Sag
410	4.3	9	Unknown

Variable 392	ROADWAY SURFACE TYPE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - SURTYPE

22Sep10	Prcnt	Code	Value and Description
1134	11.9	1	Concrete
7941	83.2	2	Bituminous (asphalt)
3	0.0	3	Brick or block
41	0.4	4	Slag, gravel or stone
31	0.3	5	Dirt
16	0.2	8	Other
382	4.0	9	Unknown

Variable 393	ROADWAY SURFACE CONDITION	Width: 2	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - SURCOND

22Sep10	Prcnt	Code	Value and Description
7114	74.5	1	Dry
1572	16.5	2	Wet

Variable 393:ROADWY SURFACE CONDITION (Continued)

22Sep10	Prcnt	Code	Value and Description
183	1.9	3	Snow
59	0.6	4	Slush
199	2.1	5	Ice / frost
5	0.1	6	Water (standing, moving)
2	0.0	7	Sand
14	0.1	8	Dirt, mud or gravel
0	0.0	9	Oil
0	0.0	88	Other
400	4.2	99	Unknown

Variable 394	LIGHT CONDITIONS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - LGTCOND

22Sep10	Prcnt	Code	Value and Description
5943	62.2	1	Daylight
788	8.3	2	Dark
2045	21.4	3	Dark, but lighted
144	1.5	4	Dawn
199	2.1	5	Dusk
429	4.5	9	Unknown

Variable 395	ATMOSPHERIC CONDITIONS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CLIMATE

22Sep10	Prcnt	Code	Value and Description
47	0.5	11	Fog, smog, smoke
1113	11.7	12	Rain
33	0.3	13	Sleet/hail (freezing rain or drizzle)
177	1.9	14	Snow
55	0.6	15	Blowing snow
6	0.1	16	Severe crosswinds
4	0.0	17	Blowing sand, soil, dirt
6492	68.0	18	Clear
1143	12.0	19	Cloudy
12	0.1	98	Other
466	4.9	99	Unknown

Variable 396	TRAFFIC CONTROL DEVICE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TRAFCONT

22Sep10	Prcnt	Code	Value and Description
5559	58.2	0	No traffic control(s)
2713	28.4	1	Traffic control signal (not RR crossing)
			Regulatory
629	6.6	2	Stop sign
39	0.4	3	Yield sign
0	0.0	4	School zone sign
75	0.8	5	Other regulatory sign
122	1.3	6	Warning sign (not RR crossing)
0	0.0	7	Unknown sign
29	0.3	8	Miscellaneous/other controls including RR controls
382	4.0	9	Unknown

Variable 397	CONTROL DEVICE FUNCTION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TRCTLFCT

Traffic control device functioning

22Sep10	Prcnt	Code	Value and Description
5559	58.2	0	No traffic control(s)
19	0.2	1	Traffic control device not functioning
3581	37.5	2	Traffic control device functioning properly
389	4.1	9	Unknown

Variable 398	DRIVER PRESENCE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - DRPRES

Driver presence in vehicle

22Sep10	Prcnt	Code	Value and Description
15	0.2	0	Driver not present
8854	92.7	1	Driver present
679	7.1	9	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 399</u>	<u>ALCOHOL PRESENCE</u>	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 crash.

22Sep10 Prcnt Code Value and Description

7823	81.9	0	No alcohol present
681	7.1	1	Yes, alcohol present
259	2.7	7	Not reported
20	0.2	8	No driver present
765	8.0	9	Unknown

<u>Variable 400</u>	<u>ALCOHOL TEST RESULT</u>	Width: 2	Type: Numeric
		Dec: 2	Miss: 0.99

NHTSA SAS Variable - ALCTEST

Alcohol test result for driver

22Sep10 Prcnt Code Value and Description

384	4.0	0.00	
		-	Actual value
1	0.0	0.50	
30	0.3	0.95	Test refused
7464	78.2	0.96	None given
334	3.5	0.97	BAC test performed, results unknown
20	0.2	0.98	No driver present
888	9.3	0.99	Unknown

<u>Variable 401</u>	<u>OTHER DRUG PRESENCE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - DRUGS

Police reported other drug presence for driver

22Sep10 Prcnt Code Value and Description

7434	77.9	0	No other drug(s) present
152	1.6	1	Yes other drug(s) present
1196	12.5	7	Not reported
402	4.2	8	No driver present
364	3.8	9	Unknown

<u>Variable 402</u>	<u>OTH DRUG - SPECIMEN TEST</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - SPECOTH

Other drug specimen test results for driver

22Sep10	Prcnt	Code	Value and Description
7607	79.7	0	No specimen test given
235	2.5	1	Drug(s) not found in specimen
230	2.4	2	Drug(s) found in specimen
206	2.2	3	Specimen test given, results unknown or not obtained
20	0.2	8	No driver present
1250	13.1	9	Unknown if specimen test given

<u>Variable 403</u>	<u>DRIVER'S ZIP CODE</u>	Width: 5	Type: Numeric
		Dec: None	Miss: 99999

NHTSA SAS Variable - DRZIP

22Sep10	Prcnt	Code	Value and Description
27	0.3	1	Driver not a resident of U.S. or territories
		-	Actual 5-digit zip code
20	0.2	99998	Driver not present
587	6.1	99999	Unknown

<u>Variable 404</u>	<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

22Sep10	Prcnt	Code	Value and Description
3831	40.1	1	White
962	10.1	2	Black or African American
136	1.4	3	Asian
11	0.1	4	Native Hawaiian or Other Pacific Islands
15	0.2	5	American Indian or Alaska Native
46	0.5	7	Other
20	0.2	8	Driver not present
4527	47.4	9	Unknown

<u>Variable 405</u>	<u>DRIVER'S ETHNICITY</u>	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

22Sep10 Prcnt Code Value and Description

607	6.4	1	Hispanic or Latino
3892	40.8	2	Not Hispanic or Latino
20	0.2	8	Driver not present
5029	52.7	9	Unknown

<u>Variable 406</u>	<u>MAXIMUM TREATMENT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - VTREAT

Maxumim treatment in this vehicle

22Sep10 Prcnt Code Value and Description

1803	18.9	0	No treatment
189	2.0	1	Fatal
6	0.1	2	Fatal - ruled disease
734	7.7	3	Hospitalization
1611	16.9	4	Transported and released
42	0.4	5	Treatment at scene, not transported
182	1.9	6	Treatment later
5	0.1	7	Treatment - other
59	0.6	8	Transported to a medical facility - unknown if treatment
4917	51.5	9	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 407</u>	<u>MAXIMUM KNOWN AIS</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - VAIS

Maximum injury severity (AIS) in this vehicle

22Sep10 Prcnt Code Value and Description

1653	17.3	0	Not injured
1837	19.2	1	Minor injury
378	4.0	2	Moderate injury
336	3.5	3	Serious injury
151	1.6	4	Severe injury
106	1.1	5	Critical injury
41	0.4	6	Maximum (untreatable) injury
140	1.5	7	Injured, unknown severity

Variable 407: MAXIMUM KNOWN AIS (Continued)

22Sep10 Prcnt Code Value and Description

4906 51.4 9 Unknown if injured or Inapplicable - Body Type (V309) = 50-99

Variable 408	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

22Sep10 Prcnt Code Value and Description

4054	42.5	0	None
574	6.0	1	
		-	Number of persons
1	0.0	5	
4830	50.6	99	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 409	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

22Sep10 Prcnt Code Value and Description

1729	18.1	0	None
2277	23.8	1	
		-	Number of persons
1	0.0	10	
4830	50.6	99	Unknown or Inapplicable - Body Type (V309) = 50-99

Variable 410	NUMBER OF OCCUPANTS	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - OCUPANTS

22Sep10 Prcnt Code Value and Description

322	3.4	0	
		-	Actual number of occupants for vehicle
1	0.0	14	
318	3.3	99	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 411</u>	<u>NUMBER OCCUPANT FORMS</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - OCCFORMS

Number of occupant forms submitted

22Sep10	Prcnt	Code	Value and Description

1947	20.4	0	
		-	Number of occupant forms
1	0.0	14	
318	3.3	99	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

22Sep10 Prcnt Code Value and Description

282	3.0	2	
		-	PSU Number
345	3.6	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

22Sep10 Prcnt Code Value and Description

2370	24.8	0	Filler - No damage record for this vehicle.
7178	75.2	6	Exterior Damage record

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

NHTSA SAS Variable - VERSION

22Sep10 Prcnt Code Value and Description

9548	100.0	22	Version 22

<u>Variable 505</u>	<u>VEHICLE NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VEHNO

22Sep10	Prcnt	Code	Value and Description

5200	54.5	1	Vehicle #1
3510	36.8	2	Vehicle #2
647	6.8	3	Vehicle #3
135	1.4	4	Vehicle #4
30	0.3	5	Vehicle #5
13	0.1	6	Vehicle #6
7	0.1	7	Vehicle #7
4	0.0	8	Vehicle #8
1	0.0	9	Vehicle #9
1	0.0	10	Vehicle #10

<u>Variable 506</u>	<u>CRASH SEQUENCE (1)</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - ACCSEQ1

CDC 1 - CRASH EVENT SEQUENCE NUMBER

22Sep10	Prcnt	Code	Value and Description

0	0.0	0	No event
5793	60.7	1	
		-	Sequence number
1	0.0	11	
2371	24.8	99	No Record

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

NHTSA SAS Variable - OBJCONT1

22Sep10	Prcnt	Code	Value and Description

Collision with Motor Vehicle in-Transport			
0	0.0	0	No event or CDC applicable
2618	27.4	1	
		-	Vehicle number
1	0.0	7	
Noncollision			
321	3.4	31	Overturn - rollover (excludes end-over-end)
4	0.0	32	Rollover - end-over-end
0	0.0	34	Jackknife
0	0.0	38	Other noncollision
1	0.0	39	Noncollision - details unknown

Variable 507:OBJECT CONTACTED (1) (Continued)

22Sep10	Prcnt	Code	Value and Description
			Collision with fixed object
27	0.3	41	Tree (< or = 10 cm in diameter)
343	3.6	42	Tree (> 10 cm in diameter)
3	0.0	43	Shrubbery or bush
62	0.6	44	Embankment
25	0.3	45	Breakaway pole or post (any diameter)
118	1.2	46	Metal guardrail
7	0.1	47	Cable barrier guardrail
			Nonbreakaway pole or post
29	0.3	50	Pole or post (< or = 10 cm in diameter)
167	1.7	51	Pole or post (> 10 or < or = 30 cm in diameter)
79	0.8	52	Pole or post (> 30 cm in diameter)
17	0.2	53	Pole, post - diameter unknown
131	1.4	54	Concrete traffic barrier
10	0.1	55	Impact attenuator
4	0.0	56	Other traffic barrier (includes guardrail)
17	0.2	57	Fence
37	0.4	58	Wall
28	0.3	59	Building
34	0.4	60	Ditch or culvert
12	0.1	61	Ground
7	0.1	62	Fire hydrant
18	0.2	63	Curb
22	0.2	64	Bridge
43	0.5	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
2	0.0	72	Pedestrian
2	0.0	73	Cyclist or cycle
1	0.0	74	Other nonmotorist or conveyance
0	0.0	75	Vehicle occupant
45	0.5	76	Animal
5	0.1	77	Railway vehicle
3	0.0	78	Trailer, disconnected in-transport
6	0.1	79	Object fell from vehicle in-transport
20	0.2	88	Other nonfixed object
0	0.0	89	Unknown nonfixed object
0	0.0	98	Other event
2371	24.8	99	Unknown event or object

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

NHTSA SAS Variable - DOF1

22Sep10 Prcnt Code Value and Description

411	4.3	0	Nonhorizontal force
586	6.1	1	1 o'clock
318	3.3	2	2 o'clock
155	1.6	3	3 o'clock
36	0.4	4	4 o'clock
34	0.4	5	5 o'clock
746	7.8	6	6 o'clock
44	0.5	7	7 o'clock
50	0.5	8	8 o'clock
187	2.0	9	9 o'clock
335	3.5	10	10 o'clock
603	6.3	11	11 o'clock
2688	28.2	12	12 o'clock
End shift vertical - up; top shift forward			
1	0.0	20	Nonhorizontal force
1	0.0	25	5 o'clock
3	0.0	26	6 o'clock
3	0.0	31	11 o'clock
12	0.1	32	12 o'clock
End shift vertical - down; top shift rearward			
2	0.0	40	Nonhorizontal force
1	0.0	41	1 o'clock
1	0.0	45	5 o'clock
12	0.1	46	6 o'clock
2	0.0	51	11 o'clock
3	0.0	52	12 o'clock
End or top shift lateral - right			
1	0.0	60	Nonhorizontal force
7	0.1	61	1 o'clock
6	0.1	62	2 o'clock
6	0.1	63	3 o'clock
7	0.1	69	9 o'clock
49	0.5	70	10 o'clock
57	0.6	71	11 o'clock
6	0.1	72	12 o'clock
End or top shift lateral - left			
5	0.1	80	Nonhorizontal force
65	0.7	81	1 o'clock
35	0.4	82	2 o'clock
1	0.0	84	4 o'clock
1	0.0	85	5 o'clock
1	0.0	87	7 o'clock
1	0.0	88	8 o'clock
6	0.1	89	9 o'clock
7	0.1	90	10 o'clock

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

22Sep10 Prcnt Code Value and Description

2	0.0	91	11 o'clock
2	0.0	92	12 o'clock
3049	31.9	99	Unknown/No record

<u>Variable 509</u>	<u>DEFORMATION LOCATION (1)</u>	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - GAD1

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

NHTSA SAS Variable - SHL1

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

NHTSA SAS Variable - SVL1

<u>Variable 512</u>	<u>TYPE OF DISTRIB (1)</u>	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - TDD1

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

NHTSA SAS Variable - EXTENT1

CDC 1 - DEFORMATION EXTENT

Variable 513:DEFORMATION EXTENT (1) (Continued)

22Sep10 Prcnt Code Value and Description

0	0.0	0	No event
1848	19.4	1	Extent zone 1
1835	19.2	2	Extent zone 2
1032	10.8	3	Extent zone 3
366	3.8	4	Extent zone 4
218	2.3	5	Extent zone 5
236	2.5	6	Extent zone 6
63	0.7	7	Extent zone 7
37	0.4	8	Extent zone 8
86	0.9	9	Extent zone 9
3827	40.1	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

22Sep10 Prcnt Code Value and Description

783	8.2	2	B - Back (rear)
3899	40.8	6	F - Front
965	10.1	12	L - Left side
812	8.5	18	R - Right side
301	3.2	20	T - Top
20	0.2	21	U - Undercarriage
395	4.1	39	Unknown
2373	24.9	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

22Sep10 Prcnt Code Value and Description

109	1.1	2	B
76	0.8	3	C
2423	25.4	4	D
344	3.6	6	F
529	5.5	12	L
261	2.7	16	P
453	4.7	18	R
1238	13.0	25	Y
901	9.4	26	Z

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

22Sep10 Prcnt Code Value and Description

841 8.8 39 Unknown
2373 24.9 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 R
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 / Side Impact

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

NHTSA SAS Variable - SVL1 (numeric recode)

Specific vertical or lateral location (1) - numeric

22Sep10 Prcnt Code Value and Description

483 5.1 1 A
1 0.0 3 C
294 3.1 4 D
5297 55.5 5 E
6 0.1 7 G
7 0.1 8 H
217 2.3 12 L
28 0.3 13 M
1 0.0 18 R
17 0.2 23 W
10 0.1 25 Y
4 0.0 26 Z
810 8.5 39 Unknown
2373 24.9 99 Not applicable or No CDC

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

1 A - All

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

22Sep10 Prcnt Code Value and Description

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 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

22Sep10 Prcnt Code Value and Description

16 0.2 1 A - Overhanging structure
 641 6.7 5 E - Corner
 2 0.0 11 K - Conversion impact type
 240 2.5 14 N - Narrow impact area
 317 3.3 15 O - Rollover (includes side)
 210 2.2 19 S - Sideswipe
 13 0.1 21 U - No residual deformation
 4847 50.8 23 W - Wide impact area
 889 9.3 39 Unknown
 2373 24.9 99 Not applicable or No CDC

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

NHTSA SAS Variable - ACCSEQ2

CDC 2 - CRASH EVENT SEQUENCE NUMBER

22Sep10 Prcnt Code Value and Description

0 0.0 0 No event

Variable 518:CRASH SEQUENCE (2) (Continued)

22Sep10 Prcnt Code Value and Description

569	6.0	1	
		-	Sequence number
1	0.0	12	
6992	73.2	99	No Record

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

NHTSA SAS Variable - OBJCONT2

22Sep10 Prcnt Code Value and Description

Collision with Motor Vehicle in-Transport			
0	0.0	0	No event or not CDC applicable
376	3.9	1	
		-	Vehicle number
1	0.0	8	
Noncollision			
216	2.3	31	Overturn - rollover (excludes end-over-end)
2	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
Collision with fixed object			
46	0.5	41	Tree (< or = 10 cm in diameter)
132	1.4	42	Tree (> 10 cm in diameter)
19	0.2	43	Shrubbery or bush
69	0.7	44	Embankment
25	0.3	45	Breakaway pole or post (any diameter)
128	1.3	46	Metal guardrail
4	0.0	47	Cable barrier guardrail
Nonbreakaway pole or post			
82	0.9	50	Pole or post (< or = 10 cm in diameter)
87	0.9	51	Pole or post (> 10 or < or = 30 cm in diameter)
18	0.2	52	Pole or post (> 30 cm in diameter)
7	0.1	53	Pole, post - diameter unknown
95	1.0	54	Concrete traffic barrier
2	0.0	55	Impact attenuator
5	0.1	56	Other traffic barrier (includes guardrail)
65	0.7	57	Fence
21	0.2	58	Wall
21	0.2	59	Building
37	0.4	60	Ditch or culvert
19	0.2	61	Ground
10	0.1	62	Fire hydrant
123	1.3	63	Curb

Variable 519:OBJECT CONTACTED (2) (Continued)

22Sep10	Prcnt	Code	Value and Description
13	0.1	64	Bridge
69	0.7	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
1	0.0	72	Pedestrian
2	0.0	73	Cyclist or cycle
1	0.0	74	Other nonmotorist or conveyance
1	0.0	75	Vehicle occupant
5	0.1	76	Animal
1	0.0	77	Railway vehicle
1	0.0	78	Trailer, disconnected in-transport
1	0.0	79	Object fell from vehicle in-transport
29	0.3	88	Other nonfixed object
0	0.0	89	Unknown nonfixed object
1	0.0	98	Other event
7009	73.4	99	Unknown event or object

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

NHTSA SAS Variable - DOF2

22Sep10	Prcnt	Code	Value and Description
338	3.5	0	Nonhorizontal force
86	0.9	1	1 o'clock
58	0.6	2	2 o'clock
258	2.7	3	3 o'clock
27	0.3	4	4 o'clock
33	0.3	5	5 o'clock
139	1.5	6	6 o'clock
41	0.4	7	7 o'clock
37	0.4	8	8 o'clock
278	2.9	9	9 o'clock
67	0.7	10	10 o'clock
81	0.8	11	11 o'clock
868	9.1	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			

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

22Sep10	Prcnt	Code	Value and Description
			End or top shift lateral - right
3	0.0	60	Nonhorizontal force
1	0.0	64	4 o'clock
2	0.0	70	10 o'clock
3	0.0	71	11 o'clock
			End or top shift lateral - left
2	0.0	81	1 o'clock
1	0.0	82	2 o'clock
2	0.0	83	3 o'clock
7218	75.6	99	Unknown/No record

Variable 521	DEFORMATION LOCATION (2)	Width: 1	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - GAD2

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

NHTSA SAS Variable - SHL2

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

NHTSA SAS Variable - SVL2

Variable 524	TYPE OF DISTRIB (2)	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

22Sep10 Prcnt Code Value and Description

0	0.0	0	No event
979	10.3	1	Extent zone 1
484	5.1	2	Extent zone 2
276	2.9	3	Extent zone 3
36	0.4	4	Extent zone 4
26	0.3	5	Extent zone 5
26	0.3	6	Extent zone 6
4	0.0	7	Extent zone 7
8	0.1	8	Extent zone 8
38	0.4	9	Extent zone 9
7671	80.3	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

22Sep10 Prcnt Code Value and Description

147	1.5	2	B - Back (rear)
926	9.7	6	F - Front
637	6.7	12	L - Left side
568	5.9	18	R - Right side
149	1.6	20	T - Top
49	0.5	21	U - Undercarriage
80	0.8	39	Unknown
6992	73.2	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

22Sep10 Prcnt Code Value and Description

375	3.9	2	B
43	0.5	3	C
507	5.3	4	D
152	1.6	6	F

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

22Sep10	Prcnt	Code	Value and Description
152	1.6	12	L
179	1.9	16	P
235	2.5	18	R
229	2.4	25	Y
297	3.1	26	Z
387	4.1	39	Unknown
6992	73.2	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 R
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 / Side Impact

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

22Sep10	Prcnt	Code	Value and Description
196	2.1	1	A
1	0.0	3	C
152	1.6	4	D
1471	15.4	5	E
11	0.1	7	G
9	0.1	8	H
162	1.7	12	L
25	0.3	13	M
10	0.1	18	R
124	1.3	23	W
2	0.0	25	Y
4	0.0	26	Z

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

22Sep10 Prcnt Code Value and Description

389	4.1	39	Unknown
6992	73.2	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

22Sep10 Prcnt Code Value and Description

1	0.0	1	A - Overhanging structure
214	2.2	5	E - Corner
307	3.2	14	N - Narrow impact area
216	2.3	15	O - Rollover (includes side)
237	2.5	19	S - Sideswipe
11	0.1	21	U - No residual deformation
1121	11.7	23	W - Wide impact area
449	4.7	39	Unknown
6992	73.2	99	Not applicable or No CDC

The CRUSH PROFILE Variables

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

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

NHTSA SAS Variable - DVL

Width of direct and induced damage

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	Less than 0.5 centimeters
1	0.0	12	12 cm
		-	
1	0.0	519	519 cm
5278	55.3	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 531</u>	<u>HIGHEST DELTA-V - "C1"</u>	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

22Sep10	Prcnt	Code	Value and Description
1292	13.5	0	Less than 0.5 centimeters
242	2.5	1	1 cm
		-	
1	0.0	166	166 cm
5278	55.3	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 532</u>	<u>HIGHEST DELTA-V - "C2"</u>	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

22Sep10	Prcnt	Code	Value and Description
597	6.3	0	Less than 0.5 centimeters
230	2.4	1	1 cm
		-	
1	0.0	170	170 cm
5278	55.3	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

22Sep10 Prcnt Code Value and Description

442	4.6	0	Less than 0.5 centimeters
202	2.1	1	1 cm
		-	
1	0.0	184	184 cm
5278	55.3	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

22Sep10 Prcnt Code Value and Description

453	4.7	0	Less than 0.5 centimeters
191	2.0	1	1 cm
		-	
1	0.0	182	182 cm
5278	55.3	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

22Sep10 Prcnt Code Value and Description

576	6.0	0	Less than 0.5 centimeters
222	2.3	1	1 cm
		-	
1	0.0	184	184 cm
5285	55.4	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 536</u>	<u>HIGHEST DELTA-V - "C6"</u>	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

22Sep10	Prcnt	Code	Value and Description
1219	12.8	0	Less than 0.5 centimeters
240	2.5	1	1 cm
		-	
1	0.0	212	212 cm
5285	55.4	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 537</u>	<u>HIGHEST DELTA-V - "D"</u>	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.

22Sep10	Prcnt	Code	Value and Description
1	0.0	-268	-268 cm
		-	Damage offset
1	0.0	247	247 cm
5278	55.3	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

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

NHTSA SAS Variable - SDVL

Width of secondary direct and induced damage

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	Less than 0.5 centimeters
1	0.0	21	21 cm
		-	
1	0.0	520	520 cm
8590	90.0	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 539</u>	<u>SECOND DELTA-V - "C1"</u>	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

22Sep10	Prcnt	Code	Value and Description
366	3.8	0	Less than 0.5 centimeters
106	1.1	1	1 cm
		-	
1	0.0	242	242 cm
8590	90.0	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 540</u>	<u>SECOND DELTA-V - "C2"</u>	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

22Sep10	Prcnt	Code	Value and Description
217	2.3	0	Less than 0.5 centimeters
117	1.2	1	1 cm
		-	
1	0.0	87	87 cm
8590	90.0	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 541</u>	<u>SECOND DELTA-V - "C3"</u>	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

22Sep10	Prcnt	Code	Value and Description
180	1.9	0	Less than 0.5 centimeters
129	1.4	1	1 cm
		-	
1	0.0	92	92 cm
8590	90.0	999	Unknown or Inapplicable - Body Type (V309) = 50-99

2009 - Exterior Damage

<u>Variable 542</u>	<u>SECOND DELTA-V - "C4"</u>	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

22Sep10	Prcnt	Code	Value and Description
195	2.0	0	Less than 0.5 centimeters
123	1.3	1	1 cm
		-	
1	0.0	84	84 cm
8590	90.0	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 543</u>	<u>SECOND DELTA-V - "C5"</u>	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

22Sep10	Prcnt	Code	Value and Description
202	2.1	0	Less than 0.5 centimeters
136	1.4	1	1 cm
		-	
1	0.0	82	82 cm
8615	90.2	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 544</u>	<u>SECOND DELTA-V - "C6"</u>	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

22Sep10	Prcnt	Code	Value and Description
424	4.4	0	Less than 0.5 centimeters
96	1.0	1	1 cm
		-	
1	0.0	108	108 cm
8615	90.2	999	Unknown or Inapplicable - Body Type (V309) = 50-99

<u>Variable 545</u>	<u>SECOND DELTA-V - "D"</u>	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.

22Sep10	Prcnt	Code	Value and Description
2	0.0	-277	-277 cm
		-	Damage offset
1	0.0	216	216 cm
8590	90.0	9999	Unknown or Inapplicable - Body Type (V309) = 50-99

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

NHTSA SAS Variable - DOCCDC

Are CDCs documented but not coded on the automated file?

22Sep10	Prcnt	Code	Value and Description
6285	65.8	0	Not documented
893	9.4	1	Yes, documented
2370	24.8	9	No record

<u>Variable 547</u>	<u>VEHICLE DISPOSITION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - TOWRES

Researcher's assessment of vehicle disposition

22Sep10	Prcnt	Code	Value and Description
1428	15.0	0	Not towed due to vehicle damage
5148	53.9	1	Towed due to vehicle damage
2972	31.1	9	Unknown/No record

<u>Variable 548</u>	<u>ORIGINAL WHEELBASE</u>	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - WHEELBAS

22Sep10	Prcnt	Code	Value and Description
1	0.0	141	

Variable 548:ORIGINAL WHEELBASE (Continued)

22Sep10	Prcnt	Code	Value and Description
		-	Wheelbase (in increments of 1 cm)
1	0.0	448	
0	0.0	650	650 centimeters or more
2383	25.0	999	Unknown/No record

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

NHTSA SAS Variable - ALTVEH

Multi-stage manufactured vehicle and/or a certified altered vehicle?

22Sep10	Prcnt	Code	Value and Description
7072	74.1	0	No post manufacturer modifications
87	0.9	1	Yes - post manufacturer modifications
2389	25.0	9	Unknown if vehicle is modified

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

NHTSA SAS Variable - FIRE

22Sep10	Prcnt	Code	Value and Description
7014	73.5	0	No fire
			Yes, fire occurred
18	0.2	1	Minor
29	0.3	2	Major
2487	26.0	9	Unknown

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

NHTSA SAS Variable - FIREORIG

22Sep10	Prcnt	Code	Value and Description
7014	73.5	0	No fire
0	0.0	1	Vehicle exterior (front, side, back, top)
1	0.0	2	Exhaust system
4	0.0	3	Fuel tank (and other fuel retention system parts)
34	0.4	4	Engine compartment
0	0.0	5	Cargo/trunk compartment

Variable 551:ORIGIN OF FIRE (Continued)

22Sep10	Prcnt	Code	Value and Description
1	0.0	6	Instrument panel
0	0.0	7	Passenger compartment area
3	0.0	8	Other location
2491	26.1	9	Unknown origin

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

NHTSA SAS Variable - FUELTKN1

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No fuel tank (electric/solar powered vehicle)
70	0.7	1	Metallic
31	0.3	2	Nonmetallic
9447	98.9	9	Unknown

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

NHTSA SAS Variable - FUELTKN2

22Sep10	Prcnt	Code	Value and Description
2	0.0	1	Metallic
9546	100.0	9	Unknown

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

NHTSA SAS Variable - FUELLOC1

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No fuel tank
22	0.2	1	Aft of center of the rear wheels (rear axle) centered
3	0.0	2	Aft of center of the rear wheels (rear axle) left side
1	0.0	3	Aft of center of the rear wheels (rear axle) right side
39	0.4	4	Forward of center of the rear wheels (rear axle) centered
28	0.3	5	Forward of center of the rear wheels (rear axle) left side
8	0.1	6	Forward of center of the rear wheels (rear axle) right side
4	0.0	7	Over center of the rear wheels (rear axle)
0	0.0	8	Other
9443	98.9	9	Unknown

<u>Variable 555</u>	<u>FUEL TANK 2 LOCATION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELLOC2

22Sep10	Prcnt	Code	Value and Description
1	0.0	1	Aft of center of the rear wheels (rear axle) centered
1	0.0	5	Forward of center of the rear wheels (rear axle) left side
9546	100.0	9	Unknown

<u>Variable 556</u>	<u>FUEL TANK 1 FILLER CAP</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELCAP1

Fuel tank 1 filler cap location

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No fuel tank
1	0.0	1	On back plane
56	0.6	2	Aft of center of the rear wheels (rear axle) on left side plane
24	0.3	3	Aft of center of the rear wheels (rear axle) on right side plane
23	0.2	4	Forward of center of the rear wheels (rear axle) on left side plane
4	0.0	5	Forward of center of the rear wheels (rear axle) on right side plane
2	0.0	6	Over the center of the rear wheels (rear axle) on left side plane
2	0.0	7	Over the center of the rear wheels (rear axle) on right side plane
0	0.0	8	Other
9436	98.8	9	Unknown

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

NHTSA SAS Variable - FUELCAP2

Fuel tank 2 filler cap location

22Sep10	Prcnt	Code	Value and Description
2	0.0	4	Forward of center of the rear wheels (rear axle) on left side plane
9546	100.0	9	Unknown

<u>Variable 558</u>	<u>FUEL TANK 1 DAMAGE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELDAM1

22Sep10	Prcnt	Code	Value and Description
2	0.0	0	No fuel tank
6479	67.9	1	No damage to fuel tank
44	0.5	2	Deformed, no seam failure
2	0.0	3	Deformed, with a seam failure
3	0.0	4	Punctured
1	0.0	5	Lacerated (ripped)
16	0.2	6	Abraded (scraped)
1	0.0	7	Filler neck separation from the fuel tank
5	0.1	8	Other damage
2995	31.4	9	Unknown

<u>Variable 559</u>	<u>FUEL TANK 2 DAMAGE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELDAM2

22Sep10	Prcnt	Code	Value and Description
45	0.5	1	No damage to fuel tank
1	0.0	2	Deformed, no seam failure
9502	99.5	9	Unknown

<u>Variable 560</u>	<u>LOCATION OF FUEL 1 LEAK</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FUELEAK1

Leakage location of fuel system 1

22Sep10	Prcnt	Code	Value and Description
2	0.0	0	No fuel tank
6523	68.3	1	No fuel leakage
			Primary area of leakage
4	0.0	2	Tank
1	0.0	3	Filler neck
1	0.0	4	Cap
5	0.1	5	Lines / pump / filter
0	0.0	6	Vent / emission recovery
2	0.0	8	Other
3010	31.5	9	Unknown

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

NHTSA SAS Variable - FUELEAK2

Location of fuel system 2 leakage

22Sep10	Prcnt	Code Value and Description

46	0.5	1 No fuel leakage

Primary area of leakage

9502	99.5	9 Unknown

<u>Variable 562</u>	<u>FUEL TYPE 1</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - FUELTP1

22Sep10	Prcnt	Code Value and Description

Single fuel type

2	0.0	0 No fuel tank
6963	72.9	1 Gasoline
76	0.8	2 Diesel
2	0.0	3 CNG (Compressed Natural Gas)
1	0.0	4 LPG (Liquid Petroleum Gas) also known as Propane
0	0.0	5 LNG (Liquid Natural Gas)
1	0.0	6 Methanol (M100 or M85)
4	0.0	7 Ethanol (E100 or E85)
0	0.0	9 Hydrogen Fuel Cell
0	0.0	12 Nickel-Cadmium battery
3	0.0	15 Nickel-Metal Hydride (NiMH)
0	0.0	98 Other
2496	26.1	99 Unknown fuel type

<u>Variable 563</u>	<u>FUEL TYPE 2</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - FUELTP2

22Sep10	Prcnt	Code Value and Description

Single fuel type

16	0.2	1 Gasoline
1	0.0	2 Diesel
20	0.2	7 Ethanol (E100 or E85)
2	0.0	12 Nickel-Cadmium battery
21	0.2	15 Nickel-Metal Hydride (NiMH)
9488	99.4	99 Unknown fuel type

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

NHTSA SAS Variable - FUELGT2

Is this vehicle equipped with more than two fuel tanks?

22Sep10	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 Location of leakage Type of fuel
9548	100.0	9	Unknown if more than two tanks

<u>Variable 565</u>	<u>UNDEFORMED END WIDTH</u>	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)

22Sep10	Prcnt	Code	Value and Description
1	0.0	114	
		-	Code measured value to the nearest centimeter
1	0.0	220	
0	0.0	250	250 centimeters or more
2496	26.1	998	No highest severity end plane impact
2976	31.2	999	Unknown

<u>Variable 566</u>	<u>DIRECT DAMAGE WIDTH</u>	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DIRDAMW

Direct damage width (for highest severity impact)

Variable 566:DIRECT DAMAGE WIDTH (Continued)

22Sep10	Prcnt	Code	Value and Description
2	0.0	1	
		-	Code measured value to the nearest centimeter
1	0.0	249	
218	2.3	250	250 centimeters or more
4515	47.3	999	Unknown

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

NHTSA SAS Variable - ORIGAVTW

Original average track width

22Sep10	Prcnt	Code	Value and Description
1	0.0	102	
		-	Code to the nearest centimeter
4	0.0	184	
6	0.1	185	185 centimeters or more
2540	26.6	999	Unknown

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

NHTSA SAS Variable - PDOF1

Primary CDC Clock in degrees

22Sep10	Prcnt	Code	Value and Description
1653	17.3	0	0 degrees
		-	
608	6.4	350	350 degrees
420	4.4	998	Nonhorizontal impact
3045	31.9	999	Unknown

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

NHTSA SAS Variable - PDOF2

Secondary CDC Clock in degrees

22Sep10 Prcnt Code Value and Description

644	6.7	0	0 degrees
		-	
107	1.1	350	350 degrees
345	3.6	998	Nonhorizontal impact
7216	75.6	999	Unknown

The INTERIOR DAMAGE "A" Variables

Variables 601 through 648 describe interior damage to the vehicles involved in the crash. Additional interior damage information is documented in Variables 701 - 753.

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

NHTSA SAS Variable - PSU

22Sep10	Prcnt	Code	Value and Description
282	3.0	2	
		-	PSU Number
345	3.6	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

22Sep10	Prcnt	Code	Value and Description
5531	57.9	0	Filler - No damage record for this vehicle.
4017	42.1	7	Interior Damage "A" record

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

NHTSA SAS Variable - VERSION

22Sep10	Prcnt	Code	Value and Description
9548	100.0	22	Version 22

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

NHTSA SAS Variable - VEHNO

22Sep10	Prcnt	Code	Value and Description

5200	54.5	1	Vehicle #1
3510	36.8	2	Vehicle #2
647	6.8	3	Vehicle #3
135	1.4	4	Vehicle #4
30	0.3	5	Vehicle #5
13	0.1	6	Vehicle #6
7	0.1	7	Vehicle #7
4	0.0	8	Vehicle #8
1	0.0	9	Vehicle #9
1	0.0	10	Vehicle #10

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

NHTSA SAS Variable - PASINTEG

Passenger compartment integrity

22Sep10	Prcnt	Code	Value and Description

9	0.1	0	No integrity loss
Yes, integrity was lost through:			
19	0.2	1	Windshield
9	0.1	2	Door (side)
2	0.0	3	Door/hatch (back door)
0	0.0	4	Roof
4	0.0	5	Roof glass
516	5.4	6	Side window
108	1.1	7	Rear window (backlight)
0	0.0	8	Roof and roof glass
1	0.0	9	Windshield and door (side)
0	0.0	10	Windshield and roof
176	1.8	11	Side and rear window (side window and backlight)
43	0.5	12	Windshield and side window
42	0.4	13	Door and side window
181	1.9	98	Other combination of above
8438	88.4	99	Unknown/No record

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

NHTSA SAS Variable - OPENLF

Door, tailgate or hatch opening - left front (driver's side)

22Sep10	Prcnt	Code	Value and Description
2	0.0	0	No door/tailgate/hatch
3164	33.1	1	Door/tailgate/hatch remained closed and operational
23	0.2	2	Door/tailgate/hatch came open during collision
495	5.2	3	Door/tailgate/hatch jammed shut
15	0.2	8	Other
5849	61.3	9	Unknown/No record

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

NHTSA SAS Variable - OPENRF

Door, tailgate or hatch opening - right front

22Sep10	Prcnt	Code	Value and Description
1	0.0	0	No door/tailgate/hatch
3244	34.0	1	Door/tailgate/hatch remained closed and operational
23	0.2	2	Door/tailgate/hatch came open during collision
451	4.7	3	Door/tailgate/hatch jammed shut
8	0.1	8	Other
5821	61.0	9	Unknown/No record

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

NHTSA SAS Variable - OPENLR

Door, tailgate or hatch opening - left rear

22Sep10	Prcnt	Code	Value and Description
628	6.6	0	No door/tailgate/hatch
2728	28.6	1	Door/tailgate/hatch remained closed and operational
14	0.1	2	Door/tailgate/hatch came open during collision
395	4.1	3	Door/tailgate/hatch jammed shut
8	0.1	8	Other
5775	60.5	9	Unknown/No record

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

NHTSA SAS Variable - OPENRR

Door, tailgate or hatch opening - right rear

22Sep10	Prcnt	Code	Value and Description
588	6.2	0	No door/tailgate/hatch
2819	29.5	1	Door/tailgate/hatch remained closed and operational
10	0.1	2	Door/tailgate/hatch came open during collision
358	3.7	3	Door/tailgate/hatch jammed shut
5	0.1	8	Other
5768	60.4	9	Unknown/No record

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

NHTSA SAS Variable - OPENTG

Door, tailgate or hatch opening - tailgate

22Sep10	Prcnt	Code	Value and Description
2565	26.9	0	No door/tailgate/hatch
1204	12.6	1	Door/tailgate/hatch remained closed and operational
11	0.1	2	Door/tailgate/hatch came open during collision
112	1.2	3	Door/tailgate/hatch jammed shut
1	0.0	8	Other
5655	59.2	9	Unknown/No record

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

NHTSA SAS Variable - FAILLF

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

22Sep10	Prcnt	Code	Value and Description
3994	41.8	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)
7	0.1	2	Latch/striker failure due to damage
4	0.0	3	Hinge failure due to damage
4	0.0	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
2	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)

22Sep10 Prcnt Code Value and Description

5533 57.9 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 in collision - right front

22Sep10 Prcnt Code Value and Description

3994 41.8 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)
7	0.1	2	Latch/striker failure due to damage
3	0.0	3	Hinge failure due to damage
7	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
0	0.0	6	Latch/striker and hinge failure due to damage
1	0.0	8	Other failure

5532 57.9 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 in collision - left rear

22Sep10 Prcnt Code Value and Description

4003 41.9 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)
3	0.0	2	Latch/striker failure due to damage
2	0.0	3	Hinge failure due to damage
1	0.0	4	Door structure failure due to damage
2	0.0	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
0	0.0	8	Other failure

5534 58.0 9 Unknown/No record

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

NHTSA SAS Variable - FAILRR

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

22Sep10 Prcnt Code Value and Description

4007	42.0	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)
4	0.0	2	Latch/striker failure due to damage
0	0.0	3	Hinge failure due to damage
2	0.0	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
3	0.0	6	Latch/striker and hinge failure due to damage
0	0.0	8	Other failure
5531	57.9	9	Unknown/No record

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

NHTSA SAS Variable - FAILTG

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

22Sep10 Prcnt Code Value and Description

4006	42.0	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)
7	0.1	2	Latch/striker failure due to damage
1	0.0	3	Hinge failure due to damage
2	0.0	4	Door structure failure due to damage
0	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
5531	57.9	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

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No glazing
2230	23.4	1	No glazing damage from impact forces
1404	14.7	2	Glazing in place and cracked from impact forces
96	1.0	3	Glazing in place and holed from impact forces
26	0.3	4	Glazing out-of-place (cracked or not) and not holed from impact forces
5	0.1	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 crash
5787	60.6	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

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No glazing
3236	33.9	1	No glazing damage from impact forces
14	0.1	2	Glazing in place and cracked from impact forces
0	0.0	3	Glazing in place and holed from impact forces
2	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
511	5.4	6	Glazing disintegrated from impact forces
1	0.0	7	Glazing removed prior to crash
5784	60.6	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

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No glazing
3378	35.4	1	No glazing damage from impact forces
7	0.1	2	Glazing in place and cracked from impact forces

Variable 619:IMPACT GLAZING DAM - RF (Continued)

22Sep10	Prcnt	Code	Value and Description
0	0.0	3	Glazing in place and holed from impact forces
5	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
405	4.2	6	Glazing disintegrated from impact forces
1	0.0	7	Glazing removed prior to crash
5752	60.2	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

22Sep10	Prcnt	Code	Value and Description
139	1.5	0	No glazing
3383	35.4	1	No glazing damage from impact forces
5	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
2	0.0	5	Glazing out-of-place and holed from impact forces
279	2.9	6	Glazing disintegrated from impact forces
1	0.0	7	Glazing removed prior to crash
5738	60.1	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

22Sep10	Prcnt	Code	Value and Description
128	1.3	0	No glazing
3430	35.9	1	No glazing damage from impact forces
3	0.0	2	Glazing in place and cracked from impact forces
0	0.0	3	Glazing in place and holed from impact forces
3	0.0	4	Glazing out-of-place (cracked or not) and not holed from impact forces
1	0.0	5	Glazing out-of-place and holed from impact forces
244	2.6	6	Glazing disintegrated from impact forces
2	0.0	7	Glazing removed prior to crash
5737	60.1	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

22Sep10	Prcnt	Code	Value and Description
42	0.4	0	No glazing
3347	35.1	1	No glazing damage from impact forces
8	0.1	2	Glazing in place and cracked from impact forces
2	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
1	0.0	5	Glazing out-of-place and holed from impact forces
391	4.1	6	Glazing disintegrated from impact forces
1	0.0	7	Glazing removed prior to crash
5755	60.3	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

22Sep10	Prcnt	Code	Value and Description
2841	29.8	0	No glazing
1028	10.8	1	No glazing damage from impact forces
3	0.0	2	Glazing in place and cracked from impact forces
0	0.0	3	Glazing in place and holed from impact forces
5	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
67	0.7	6	Glazing disintegrated from impact forces
2	0.0	7	Glazing removed prior to crash
5602	58.7	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

22Sep10	Prcnt	Code	Value and Description
3892	40.8	0	No glazing
100	1.0	1	No glazing damage from impact forces
1	0.0	2	Glazing in place and cracked from impact forces

Variable 624:IMPACT GLAZING DAM - OTH (Continued)

22Sep10	Prcnt	Code	Value and Description
0	0.0	3	Glazing in place and holed from impact forces
0	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
15	0.2	6	Glazing disintegrated from impact forces
0	0.0	7	Glazing removed prior to crash
5540	58.0	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

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No glazing
3383	35.4	1	No occupant contact to glazing
11	0.1	2	Glazing contacted by occupant but no glazing damage
216	2.3	3	Glazing in place and cracked by occupant contact
4	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 crash
0	0.0	8	Glazing disintegrated by occupant contact
5934	62.1	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 occupant contact - left front window

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No glazing
3595	37.7	1	No occupant contact to glazing
11	0.1	2	Glazing contacted by occupant but no glazing damage
3	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)

22Sep10	Prcnt	Code	Value and Description
1	0.0	7	Glazing removed prior to crash
15	0.2	8	Glazing disintegrated by occupant contact
5923	62.0	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

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No glazing
3707	38.8	1	No occupant contact to glazing
6	0.1	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
1	0.0	7	Glazing removed prior to crash
5	0.1	8	Glazing disintegrated by occupant contact
5828	61.0	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

22Sep10	Prcnt	Code	Value and Description
139	1.5	0	No glazing
3603	37.7	1	No occupant contact to glazing
5	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
1	0.0	7	Glazing removed prior to crash
2	0.0	8	Glazing disintegrated by occupant contact
5798	60.7	9	Unknown if contacted by occupant

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

NHTSA SAS Variable - GLOCCRR

Glazing damage from occupant contact - right rear window

22Sep10	Prcnt	Code	Value and Description
128	1.3	0	No glazing
3619	37.9	1	No occupant contact to glazing
4	0.0	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
2	0.0	7	Glazing removed prior to crash
1	0.0	8	Glazing disintegrated by occupant contact
5793	60.7	9	Unknown if contacted by occupant

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

NHTSA SAS Variable - GLOCCBL

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

22Sep10	Prcnt	Code	Value and Description
42	0.4	0	No glazing
3704	38.8	1	No occupant contact to glazing
0	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
1	0.0	7	Glazing removed prior to crash
2	0.0	8	Glazing disintegrated by occupant contact
5799	60.7	9	Unknown if contacted by occupant

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

NHTSA SAS Variable - GLOCCRUF

Glazing damage from occupant damage - roof

Variable 631:CONTACT GLAZING DAM - RO (Continued)

22Sep10	Prcnt	Code	Value and Description
2841	29.8	0	No glazing
1091	11.4	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
2	0.0	7	Glazing removed prior to crash
0	0.0	8	Glazing disintegrated by occupant contact
5613	58.8	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

22Sep10	Prcnt	Code	Value and Description
3892	40.8	0	No glazing
114	1.2	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 crash
1	0.0	8	Glazing disintegrated by occupant contact
5540	58.0	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

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No glazing contact
3900	40.8	1	AS-1 - Laminated
0	0.0	2	AS-2 - Tempered
0	0.0	3	AS-3 - Tempered-tinted (original)

Variable 633:TYPE OF GLAZING - WS (Continued)

22Sep10	Prcnt	Code	Value and Description
0	0.0	4	AS-2 - Tempered-with after market tint
0	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	7	Glazing removed prior to crash
0	0.0	11	AS-2 - Laminated
0	0.0	12	AS-2 - Laminated-with after market tint
0	0.0	13	AS-3 - Laminated tinted (original)
0	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
0	0.0	15	AS-6 - Flexible plastic safety glazing
0	0.0	98	Other
5648	59.2	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

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No glazing contact
2	0.0	1	AS-1 - Laminated
3273	34.3	2	AS-2 - Tempered
27	0.3	3	AS-3 - Tempered-tinted (original)
409	4.3	4	AS-2 - Tempered-with after market tint
2	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
1	0.0	7	Glazing removed prior to crash
36	0.4	11	AS-2 - Laminated
30	0.3	12	AS-2 - Laminated-with after market tint
1	0.0	13	AS-3 - Laminated tinted (original)
0	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
0	0.0	15	AS-6 - Flexible plastic safety glazing
0	0.0	98	Other
5767	60.4	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

Variable 635:TYPE OF GLAZING - RF (Continued)

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No glazing contact
2	0.0	1	AS-1 - Laminated
3270	34.2	2	AS-2 - Tempered
35	0.4	3	AS-3 - Tempered-tinted (original)
409	4.3	4	AS-2 - Tempered-with after market tint
2	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
1	0.0	7	Glazing removed prior to crash
38	0.4	11	AS-2 - Laminated
28	0.3	12	AS-2 - Laminated-with after market tint
1	0.0	13	AS-3 - Laminated tinted (original)
0	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
0	0.0	15	AS-6 - Flexible plastic safety glazing
0	0.0	98	Other
5762	60.3	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

22Sep10	Prcnt	Code	Value and Description
139	1.5	0	No glazing contact
1	0.0	1	AS-1 - Laminated
2007	21.0	2	AS-2 - Tempered
1150	12.0	3	AS-3 - Tempered-tinted (original)
435	4.6	4	AS-2 - Tempered-with after market tint
12	0.1	5	AS-3 - Tempered-tinted (with additional after market tint)
1	0.0	7	Glazing removed prior to crash
23	0.2	11	AS-2 - Laminated
29	0.3	12	AS-2 - Laminated-with after market tint
5	0.1	13	AS-3 - Laminated tinted (original)
0	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
10	0.1	15	AS-6 - Flexible plastic safety glazing
1	0.0	98	Other
5735	60.1	99	Unknown

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

NHTSA SAS Variable - GLTYPRR

Type of window/windshield glazing - right rear window

22Sep10	Prcnt	Code	Value and Description
128	1.3	0	No glazing contact
2	0.0	1	AS-1 - Laminated
2019	21.1	2	AS-2 - Tempered
1146	12.0	3	AS-3 - Tempered-tinted (original)
437	4.6	4	AS-2 - Tempered-with after market tint
15	0.2	5	AS-3 - Tempered-tinted (with additional after market tint)
2	0.0	7	Glazing removed prior to crash
22	0.2	11	AS-2 - Laminated
28	0.3	12	AS-2 - Laminated-with after market tint
6	0.1	13	AS-3 - Laminated tinted (original)
1	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
10	0.1	15	AS-6 - Flexible plastic safety glazing
2	0.0	98	Other
5730	60.0	99	Unknown

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

NHTSA SAS Variable - GLTYPBL

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

22Sep10	Prcnt	Code	Value and Description
42	0.4	0	No glazing contact
0	0.0	1	AS-1 - Laminated
2066	21.6	2	AS-2 - Tempered
1172	12.3	3	AS-3 - Tempered-tinted (original)
423	4.4	4	AS-2 - Tempered-with after market tint
11	0.1	5	AS-3 - Tempered-tinted (with additional after market tint)
1	0.0	7	Glazing removed prior to crash
20	0.2	11	AS-2 - Laminated
27	0.3	12	AS-2 - Laminated-with after market tint
3	0.0	13	AS-3 - Laminated tinted (original)
1	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
21	0.2	15	AS-6 - Flexible plastic safety glazing
1	0.0	98	Other
5760	60.3	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

22Sep10	Prcnt	Code	Value and Description
2841	29.8	0	No glazing contact
0	0.0	1	AS-1 - Laminated
56	0.6	2	AS-2 - Tempered
1009	10.6	3	AS-3 - Tempered-tinted (original)
17	0.2	4	AS-2 - Tempered-with after market tint
0	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
2	0.0	7	Glazing removed prior to crash
1	0.0	11	AS-2 - Laminated
1	0.0	12	AS-2 - Laminated-with after market tint
4	0.0	13	AS-3 - Laminated tinted (original)
1	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
2	0.0	15	AS-6 - Flexible plastic safety glazing
1	0.0	98	Other
5613	58.8	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

22Sep10	Prcnt	Code	Value and Description
3892	40.8	0	No glazing contact
0	0.0	1	AS-1 - Laminated
73	0.8	2	AS-2 - Tempered
38	0.4	3	AS-3 - Tempered-tinted (original)
6	0.1	4	AS-2 - Tempered-with after market tint
0	0.0	5	AS-3 - Tempered-tinted (with additional after market tint)
0	0.0	7	Glazing removed prior to crash
1	0.0	11	AS-2 - Laminated
0	0.0	12	AS-2 - Laminated-with after market tint
0	0.0	13	AS-3 - Laminated tinted (original)
0	0.0	14	AS-3 - Laminated tinted (with additional after market tint)
0	0.0	15	AS-6 - Flexible plastic safety glazing
0	0.0	98	Other
5538	58.0	99	Unknown

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

NHTSA SAS Variable - GLPREWS

Window glazing pre-crash status - windshield

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No glazing
4002	41.9	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 crash
5546	58.1	9	Unknown

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

NHTSA SAS Variable - GLPRELF

Window glazing pre-crash status - left front window

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No glazing
4	0.0	1	Fixed
3404	35.7	2	Closed
173	1.8	3	Partially opened
206	2.2	4	Fully opened
1	0.0	7	Glazing removed prior to crash
5760	60.3	9	Unknown

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

NHTSA SAS Variable - GLPRERF

Window glazing pre-crash status - right front window

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No glazing
12	0.1	1	Fixed
3575	37.4	2	Closed
133	1.4	3	Partially opened
110	1.2	4	Fully opened
1	0.0	7	Glazing removed prior to crash
5717	59.9	9	Unknown

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

NHTSA SAS Variable - GLPRELR

Window glazing pre-crash status - left rear window

22Sep10	Prcnt	Code	Value and Description
139	1.5	0	No glazing
513	5.4	1	Fixed
3124	32.7	2	Closed
63	0.7	3	Partially opened
25	0.3	4	Fully opened
1	0.0	7	Glazing removed prior to crash
5683	59.5	9	Unknown

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

NHTSA SAS Variable - GLPRERR

Window glazing pre-crash status - right rear window

22Sep10	Prcnt	Code	Value and Description
128	1.3	0	No glazing
529	5.5	1	Fixed
3136	32.8	2	Closed
52	0.5	3	Partially opened
28	0.3	4	Fully opened
2	0.0	7	Glazing removed prior to crash
5673	59.4	9	Unknown

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

NHTSA SAS Variable - GLPREBL

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

22Sep10	Prcnt	Code	Value and Description
42	0.4	0	No glazing
3466	36.3	1	Fixed
439	4.6	2	Closed
4	0.0	3	Partially opened
7	0.1	4	Fully opened
1	0.0	7	Glazing removed prior to crash
5589	58.5	9	Unknown

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

NHTSA SAS Variable - GLPRERUF

Window glazing pre-crash status - roof

22Sep10	Prcnt	Code	Value and Description
2841	29.8	0	No glazing
61	0.6	1	Fixed
970	10.2	2	Closed
46	0.5	3	Partially opened
27	0.3	4	Fully opened
2	0.0	7	Glazing removed prior to crash
5601	58.7	9	Unknown

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

NHTSA SAS Variable - GLPREOTH

Window glazing pre-crash status - other

22Sep10	Prcnt	Code	Value and Description
3892	40.8	0	No glazing
105	1.1	1	Fixed
12	0.1	2	Closed
1	0.0	3	Partially opened
1	0.0	4	Fully opened
0	0.0	7	Glazing removed prior to crash
5537	58.0	9	Unknown

The INTERIOR DAMAGE "B" Variables

Variables 701 through 753 describe interior damage to vehicles involved in the crash. Additional interior damage information is documented in Variables 601 - 648.

Variable 701	PSU NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSU

22Sep10	Prcnt	Code	Value and Description
282	3.0	2	
		-	PSU Number
345	3.6	82	

Variable 702	CASE NUMBER	Width: 4	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - CASEID

Variable 703	RECORD NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

22Sep10	Prcnt	Code	Value and Description
5531	57.9	0	Filler - No damage record for this vehicle.
4017	42.1	8	Interior Damage "B" record

Variable 704	VERSION NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VERSION

22Sep10	Prcnt	Code	Value and Description
9548	100.0	22	Version 22

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

NHTSA SAS Variable - VEHNO

22Sep10	Prcnt	Code	Value and Description

5200	54.5	1	Vehicle #1
3510	36.8	2	Vehicle #2
647	6.8	3	Vehicle #3
135	1.4	4	Vehicle #4
30	0.3	5	Vehicle #5
13	0.1	6	Vehicle #6
7	0.1	7	Vehicle #7
4	0.0	8	Vehicle #8
1	0.0	9	Vehicle #9
1	0.0	10	Vehicle #10

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

NHTSA SAS Variable - INLOC1

22Sep10	Prcnt	Code	Value and Description

412	4.3	11	Front row - left
86	0.9	12	Front row - middle
309	3.2	13	Front row - right
135	1.4	21	Second row - left
33	0.3	22	Second row - middle
112	1.2	23	Second row - right
13	0.1	31	Third row - left
2	0.0	32	Third row - middle
6	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
34	0.4	88	Multiple / other severe intrusions
2719	28.5	96	No intrusion
2	0.0	97	Catastrophic
35	0.4	98	Other enclosed area
5650	59.2	99	Unknown/No record

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

NHTSA SAS Variable - INCOMP1

22Sep10	Prcnt	Code	Value and Description

			Interior components
7	0.1	1	Steering assembly

Variable 707:INTRUDING COMPONENT (1) (Continued)

22Sep10	Prcnt	Code	Value and Description
22	0.2	2	Instrument panel left
16	0.2	3	Instrument panel center
36	0.4	4	Instrument panel right
125	1.3	5	Toe pan
41	0.4	6	A-pillar (A1/A2)
40	0.4	7	B-pillar
21	0.2	8	C-pillar
5	0.1	9	D-pillar
50	0.5	10	Side panel - forward of A-pillar (A1/A2)
12	0.1	12	Side panel - rear of A-pillar (A1/A2)
90	0.9	13	Roof or convertible top
33	0.3	14	Roof side rail
85	0.9	15	Windshield
47	0.5	16	Windshield header
9	0.1	17	Window frame
73	0.8	18	Floor pan (includes sill)
13	0.1	19	Backlight header
67	0.7	20	Front seat back
39	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
7	0.1	25	Seat cushion
21	0.2	26	Back door/panel (e.g. tailgate)
42	0.4	27	Other interior component
			Exterior components
5	0.1	30	Hood
4	0.0	31	Outside surface of this vehicle
10	0.1	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object
			Interior components (continued)
39	0.4	35	Door/forward upper quadrant
64	0.7	36	Door/forward lower quadrant
44	0.5	37	Door/rear upper quadrant
55	0.6	38	Door/rear lower quadrant
20	0.2	41	Door/undetermined location
2719	28.5	88	No intrusion
34	0.4	96	Multiple / other severe intrusions
2	0.0	97	Catastrophic
1	0.0	98	Intrusion of exterior unlisted component(s)
5650	59.2	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)

22Sep10 Prcnt Code Value and Description

2719	28.5	0	No intrusion
234	2.5	1	>= 3 centimeters but < 8 centimeters
273	2.9	2	>= 8 centimeters but < 15 centimeters
333	3.5	3	>= 15 centimeters but < 30 centimeters
183	1.9	4	>= 30 centimeters but < 46 centimeters
85	0.9	5	>= 46 centimeters but < 61 centimeters
35	0.4	6	>= 61 centimeters
2	0.0	7	Catastrophic
34	0.4	8	Multiple / other severe intrusions
5650	59.2	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)

22Sep10 Prcnt Code Value and Description

242	2.5	1	Vertical
416	4.4	2	Longitudinal
485	5.1	3	Lateral
2719	28.5	6	No intrusion
2	0.0	7	Catastrophic
34	0.4	8	Multiple / other severe intrusions
5650	59.2	9	Unknown/No record

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

NHTSA SAS Variable - INLOC2

22Sep10 Prcnt Code Value and Description

314	3.3	11	Front row - left
118	1.2	12	Front row - middle
261	2.7	13	Front row - right
106	1.1	21	Second row - left
28	0.3	22	Second row - middle
99	1.0	23	Second row - right
7	0.1	31	Third row - left
2	0.0	32	Third row - middle

Variable 710:INTRUSION LOCATION (2) (Continued)

22Sep10	Prcnt	Code	Value and Description
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
0	0.0	88	Multiple / other severe intrusions
3045	31.9	96	No intrusion
23	0.2	98	Other enclosed area
5538	58.0	99	Unknown/No record

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

NHTSA SAS Variable - INCOMP2

22Sep10	Prcnt	Code	Value and Description
			Interior components
12	0.1	1	Steering assembly
31	0.3	2	Instrument panel left
20	0.2	3	Instrument panel center
25	0.3	4	Instrument panel right
47	0.5	5	Toe pan
51	0.5	6	A-pillar (A1/A2)
62	0.6	7	B-pillar
21	0.2	8	C-pillar
0	0.0	9	D-pillar
37	0.4	10	Side panel - forward of A-pillar (A1/A2)
15	0.2	12	Side panel - rear of A-pillar (A1/A2)
97	1.0	13	Roof (or convertible top)
40	0.4	14	Roof side rail
92	1.0	15	Windshield
47	0.5	16	Windshield header
9	0.1	17	Window frame
94	1.0	18	Floor pan (includes sill)
10	0.1	19	Backlight header
29	0.3	20	Front seat back
35	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
11	0.1	25	Seat cushion
16	0.2	26	Back door/panel (e.g. tailgate)
19	0.2	27	Other interior component
			Exterior components
6	0.1	30	Hood
2	0.0	31	Outside surface of this vehicle
7	0.1	32	Other exterior object in the environment
0	0.0	33	Unknown exterior object

Variable 711: INTRUDING COMPONENT (2) (Continued)

22Sep10	Prcnt	Code	Value and Description
			Interior components (continued)
26	0.3	35	Door/forward upper quadrant
46	0.5	36	Door/forward lower quadrant
29	0.3	37	Door/rear upper quadrant
19	0.2	38	Door/rear lower quadrant
10	0.1	41	Door/undetermined location
3045	31.9	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5538	58.0	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)

22Sep10	Prcnt	Code	Value and Description
3045	31.9	0	No intrusion
236	2.5	1	>= 3 centimeters but < 8 centimeters
223	2.3	2	>= 8 centimeters but < 15 centimeters
288	3.0	3	>= 15 centimeters but < 30 centimeters
130	1.4	4	>= 30 centimeters but < 46 centimeters
67	0.7	5	>= 46 centimeters but < 61 centimeters
21	0.2	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5538	58.0	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)

22Sep10	Prcnt	Code	Value and Description
251	2.6	1	Vertical
298	3.1	2	Longitudinal
416	4.4	3	Lateral
3045	31.9	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5538	58.0	9	Unknown/No record

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

NHTSA SAS Variable - INLOC3

22Sep10	Prcnt	Code	Value and Description
281	2.9	11	Front row - left
86	0.9	12	Front row - middle
219	2.3	13	Front row - right
82	0.9	21	Second row - left
27	0.3	22	Second row - middle
73	0.8	23	Second row - right
4	0.0	31	Third row - left
1	0.0	32	Third row - middle
6	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
0	0.0	88	Multiple / other severe intrusions
3210	33.6	96	No intrusion
18	0.2	98	Other enclosed area
5541	58.0	99	Unknown/No record

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

NHTSA SAS Variable - INCOMP3

22Sep10	Prcnt	Code	Value and Description
			Interior components
9	0.1	1	Steering assembly
31	0.3	2	Instrument panel left
30	0.3	3	Instrument panel center
15	0.2	4	Instrument panel right
30	0.3	5	Toe pan
44	0.5	6	A-pillar (A1/A2)
54	0.6	7	B-pillar
15	0.2	8	C-pillar
5	0.1	9	D-pillar
25	0.3	10	Side panel - forward of A-pillar (A1/A2)
8	0.1	12	Side panel - rear of A-pillar (A1/A2)
89	0.9	13	Roof (or convertible top)
47	0.5	14	Roof side rail
77	0.8	15	Windshield
50	0.5	16	Windshield header
11	0.1	17	Window frame
62	0.6	18	Floor pan (includes sill)
14	0.1	19	Backlight header
16	0.2	20	Front seat back
32	0.3	21	Second seat back
2	0.0	22	Third seat back
0	0.0	23	Fourth seat back

Variable 715:INTRUDING COMPONENT (3) (Continued)

22Sep10	Prcnt	Code	Value and Description
0	0.0	24	Fifth seat back
14	0.1	25	Seat cushion
9	0.1	26	Back door/panel (e.g. tailgate)
14	0.1	27	Other interior component
Exterior components			
1	0.0	30	Hood
4	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
Interior components (continued)			
14	0.1	35	Door/forward upper quadrant
32	0.3	36	Door/forward lower quadrant
15	0.2	37	Door/rear upper quadrant
18	0.2	38	Door/rear lower quadrant
8	0.1	41	Door/undetermined location
3210	33.6	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5541	58.0	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)

22Sep10	Prcnt	Code	Value and Description
3210	33.6	0	No intrusion
186	1.9	1	>= 3 centimeters but < 8 centimeters
212	2.2	2	>= 8 centimeters but < 15 centimeters
240	2.5	3	>= 15 centimeters but < 30 centimeters
99	1.0	4	>= 30 centimeters but < 46 centimeters
43	0.5	5	>= 46 centimeters but < 61 centimeters
17	0.2	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5541	58.0	9	Unknown/No record

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

NHTSA SAS Variable - CDRIR3

Dominant crush direction (3)

22Sep10	Prcnt	Code	Value and Description
245	2.6	1	Vertical
223	2.3	2	Longitudinal
329	3.4	3	Lateral
3210	33.6	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5541	58.0	9	Unknown/No record

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

NHTSA SAS Variable - INLOC4

22Sep10	Prcnt	Code	Value and Description
230	2.4	11	Front row - left
95	1.0	12	Front row - middle
177	1.9	13	Front row - right
77	0.8	21	Second row - left
26	0.3	22	Second row - middle
60	0.6	23	Second row - right
3	0.0	31	Third row - left
4	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
0	0.0	88	Multiple / other severe intrusions
3321	34.8	96	No intrusion
10	0.1	98	Other enclosed area
5537	58.0	99	Unknown/No record

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

NHTSA SAS Variable - INCOMP4

22Sep10	Prcnt	Code	Value and Description
			Interior components
8	0.1	1	Steering assembly
29	0.3	2	Instrument panel left
17	0.2	3	Instrument panel center
25	0.3	4	Instrument panel right

Variable 719:INTRUDING COMPONENT (4) (Continued)

22Sep10	Prcnt	Code	Value and Description
21	0.2	5	Toe pan
47	0.5	6	A-pillar (A1/A2)
36	0.4	7	B-pillar
15	0.2	8	C-pillar
4	0.0	9	D-pillar
18	0.2	10	Side panel - forward of A-pillar (A1/A2)
5	0.1	12	Side panel - rear of A-pillar (A1/A2)
92	1.0	13	Roof (or convertible top)
54	0.6	14	Roof side rail
33	0.3	15	Windshield
53	0.6	16	Windshield header
19	0.2	17	Window frame
58	0.6	18	Floor pan (includes sill)
18	0.2	19	Backlight header
26	0.3	20	Front seat back
19	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
17	0.2	25	Seat cushion
2	0.0	26	Back door/panel (e.g. tailgate)
15	0.2	27	Other interior component
Exterior components			
2	0.0	30	Hood
2	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
Interior components (continued)			
14	0.1	35	Door/forward upper quadrant
16	0.2	36	Door/forward lower quadrant
8	0.1	37	Door/rear upper quadrant
15	0.2	38	Door/rear lower quadrant
1	0.0	41	Door/undetermined location
3321	34.8	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5537	58.0	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)

Variable 720:INTRUSION MAGNITUDE (4) (Continued)

22Sep10	Prcnt	Code	Value and Description
3321	34.8	0	No intrusion
202	2.1	1	>= 3 centimeters but < 8 centimeters
187	2.0	2	>= 8 centimeters but < 15 centimeters
185	1.9	3	>= 15 centimeters but < 30 centimeters
75	0.8	4	>= 30 centimeters but < 46 centimeters
31	0.3	5	>= 46 centimeters but < 61 centimeters
10	0.1	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5537	58.0	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)

22Sep10	Prcnt	Code	Value and Description
241	2.5	1	Vertical
171	1.8	2	Longitudinal
278	2.9	3	Lateral
3321	34.8	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5537	58.0	9	Unknown/No record

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

NHTSA SAS Variable - INLOC5

22Sep10	Prcnt	Code	Value and Description
183	1.9	11	Front row - left
86	0.9	12	Front row - middle
142	1.5	13	Front row - right
65	0.7	21	Second row - left
17	0.2	22	Second row - middle
63	0.7	23	Second row - right
3	0.0	31	Third row - left
2	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
0	0.0	88	Multiple / other severe intrusions
3442	36.0	96	No intrusion

Variable 722:INTRUSION LOCATION (5) (Continued)

22Sep10 Prcnt Code Value and Description

6	0.1	98	Other enclosed area
5534	58.0	99	Unknown/No record

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

NHTSA SAS Variable - INCOMP5

22Sep10 Prcnt Code Value and Description

Interior components			
14	0.1	1	Steering assembly
14	0.1	2	Instrument panel left
22	0.2	3	Instrument panel center
9	0.1	4	Instrument panel right
17	0.2	5	Toe pan
34	0.4	6	A-pillar (A1/A2)
28	0.3	7	B-pillar
12	0.1	8	C-pillar
4	0.0	9	D-pillar
20	0.2	10	Side panel - forward of A-pillar (A1/A2)
1	0.0	12	Side panel - rear of A-pillar (A1/A2)
86	0.9	13	Roof (or convertible top)
67	0.7	14	Roof side rail
33	0.3	15	Windshield
43	0.5	16	Windshield header
8	0.1	17	Window frame
54	0.6	18	Floor pan (includes sill)
16	0.2	19	Backlight header
19	0.2	20	Front seat back
10	0.1	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
4	0.0	25	Seat cushion
4	0.0	26	Back door/panel (e.g. tailgate)
12	0.1	27	Other interior component

Exterior components			
0	0.0	30	Hood
1	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

Interior components (continued)			
9	0.1	35	Door/forward upper quadrant
12	0.1	36	Door/forward lower quadrant
7	0.1	37	Door/rear upper quadrant
5	0.1	38	Door/rear lower quadrant
5	0.1	41	Door/undetermined location

Variable 723:INTRUDING COMPONENT (5) (Continued)

22Sep10	Prcnt	Code	Value and Description
3442	36.0	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5534	58.0	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)

22Sep10	Prcnt	Code	Value and Description
3442	36.0	0	No intrusion
158	1.7	1	>= 3 centimeters but < 8 centimeters
166	1.7	2	>= 8 centimeters but < 15 centimeters
163	1.7	3	>= 15 centimeters but < 30 centimeters
56	0.6	4	>= 30 centimeters but < 46 centimeters
24	0.3	5	>= 46 centimeters but < 61 centimeters
5	0.1	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5534	58.0	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)

22Sep10	Prcnt	Code	Value and Description
204	2.1	1	Vertical
131	1.4	2	Longitudinal
237	2.5	3	Lateral
3442	36.0	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5534	58.0	9	Unknown/No record

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

NHTSA SAS Variable - INLOC6

22Sep10	Prcnt	Code	Value and Description
144	1.5	11	Front row - left
61	0.6	12	Front row - middle
145	1.5	13	Front row - right
59	0.6	21	Second row - left
18	0.2	22	Second row - middle
48	0.5	23	Second row - right
4	0.0	31	Third row - left
3	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
0	0.0	88	Multiple / other severe intrusions
3521	36.9	96	No intrusion
8	0.1	98	Other enclosed area
5534	58.0	99	Unknown/No record

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

NHTSA SAS Variable - INCOMP6

22Sep10	Prcnt	Code	Value and Description
			Interior components
5	0.1	1	Steering assembly
15	0.2	2	Instrument panel left
15	0.2	3	Instrument panel center
11	0.1	4	Instrument panel right
10	0.1	5	Toe pan
27	0.3	6	A-pillar (A1/A2)
27	0.3	7	B-pillar
12	0.1	8	C-pillar
5	0.1	9	D-pillar
13	0.1	10	Side panel - forward of A-pillar (A1/A2)
4	0.0	12	Side panel - rear of A-pillar (A1/A2)
78	0.8	13	Roof (or convertible top)
57	0.6	14	Roof side rail
34	0.4	15	Windshield
42	0.4	16	Windshield header
7	0.1	17	Window frame
30	0.3	18	Floor pan (includes sill)
17	0.2	19	Backlight header
21	0.2	20	Front seat back
11	0.1	21	Second seat back
1	0.0	22	Third seat back
0	0.0	23	Fourth seat back

Variable 727:INTRUDING COMPONENT (6) (Continued)

22Sep10	Prcnt	Code	Value and Description
0	0.0	24	Fifth seat back
8	0.1	25	Seat cushion
2	0.0	26	Back door/panel (e.g. tailgate)
15	0.2	27	Other interior component
Exterior components			
0	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
Interior components (continued)			
4	0.0	35	Door/forward upper quadrant
7	0.1	36	Door/forward lower quadrant
5	0.1	37	Door/rear upper quadrant
6	0.1	38	Door/rear lower quadrant
4	0.0	41	Door/undetermined location
3521	36.9	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5534	58.0	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)

22Sep10	Prcnt	Code	Value and Description
3521	36.9	0	No intrusion
144	1.5	1	>= 3 centimeters but < 8 centimeters
147	1.5	2	>= 8 centimeters but < 15 centimeters
131	1.4	3	>= 15 centimeters but < 30 centimeters
49	0.5	4	>= 30 centimeters but < 46 centimeters
18	0.2	5	>= 46 centimeters but < 61 centimeters
4	0.0	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5534	58.0	9	Unknown/No record

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

NHTSA SAS Variable - CDRIR6

Dominant crush direction (6)

22Sep10	Prcnt	Code	Value and Description
183	1.9	1	Vertical
125	1.3	2	Longitudinal
185	1.9	3	Lateral
3521	36.9	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5534	58.0	9	Unknown/No record

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

NHTSA SAS Variable - INLOC7

22Sep10	Prcnt	Code	Value and Description
138	1.4	11	Front row - left
68	0.7	12	Front row - middle
109	1.1	13	Front row - right
49	0.5	21	Second row - left
15	0.2	22	Second row - middle
41	0.4	23	Second row - right
3	0.0	31	Third row - left
4	0.0	32	Third row - middle
1	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
0	0.0	88	Multiple / other severe intrusions
3578	37.5	96	No intrusion
6	0.1	98	Other enclosed area
5536	58.0	99	Unknown/No record

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

NHTSA SAS Variable - INCOMP7

22Sep10	Prcnt	Code	Value and Description
			Interior components
3	0.0	1	Steering assembly
8	0.1	2	Instrument panel left
12	0.1	3	Instrument panel center
5	0.1	4	Instrument panel right

Variable 731:INTRUDING COMPONENT (7) (Continued)

22Sep10	Prcnt	Code	Value and Description
10	0.1	5	Toe pan
28	0.3	6	A-pillar (A1/A2)
25	0.3	7	B-pillar
8	0.1	8	C-pillar
2	0.0	9	D-pillar
8	0.1	10	Side panel - forward of A-pillar (A1/A2)
1	0.0	12	Side panel - rear of A-pillar (A1/A2)
67	0.7	13	Roof (or convertible top)
58	0.6	14	Roof side rail
27	0.3	15	Windshield
42	0.4	16	Windshield header
8	0.1	17	Window frame
31	0.3	18	Floor pan (includes sill)
14	0.1	19	Backlight header
13	0.1	20	Front seat back
14	0.1	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
16	0.2	25	Seat cushion
2	0.0	26	Back door/panel (e.g. tailgate)
7	0.1	27	Other interior component
Exterior components			
0	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
Interior components (continued)			
4	0.0	35	Door/forward upper quadrant
4	0.0	36	Door/forward lower quadrant
3	0.0	37	Door/rear upper quadrant
6	0.1	38	Door/rear lower quadrant
6	0.1	41	Door/undetermined location
3578	37.5	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5536	58.0	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)

Variable 732:INTRUSION MAGNITUDE (7) (Continued)

22Sep10	Prcnt	Code	Value and Description
3578	37.5	0	No intrusion
144	1.5	1	>= 3 centimeters but < 8 centimeters
127	1.3	2	>= 8 centimeters but < 15 centimeters
106	1.1	3	>= 15 centimeters but < 30 centimeters
44	0.5	4	>= 30 centimeters but < 46 centimeters
10	0.1	5	>= 46 centimeters but < 61 centimeters
3	0.0	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5536	58.0	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)

22Sep10	Prcnt	Code	Value and Description
179	1.9	1	Vertical
93	1.0	2	Longitudinal
162	1.7	3	Lateral
3578	37.5	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5536	58.0	9	Unknown/No record

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

NHTSA SAS Variable - INLOC8

22Sep10	Prcnt	Code	Value and Description
114	1.2	11	Front row - left
62	0.6	12	Front row - middle
85	0.9	13	Front row - right
43	0.5	21	Second row - left
22	0.2	22	Second row - middle
40	0.4	23	Second row - right
3	0.0	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
0	0.0	88	Multiple / other severe intrusions
3641	38.1	96	No intrusion

Variable 734:INTRUSION LOCATION (8) (Continued)

22Sep10 Prcnt Code Value and Description

2	0.0	98	Other enclosed area
5532	57.9	99	Unknown/No record

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

NHTSA SAS Variable - INCOMP8

22Sep10 Prcnt Code Value and Description

Interior components			
2	0.0	1	Steering assembly
11	0.1	2	Instrument panel left
10	0.1	3	Instrument panel center
3	0.0	4	Instrument panel right
7	0.1	5	Toe pan
19	0.2	6	A-pillar (A1/A2)
18	0.2	7	B-pillar
10	0.1	8	C-pillar
0	0.0	9	D-pillar
10	0.1	10	Side panel - forward of A-pillar (A1/A2)
3	0.0	12	Side panel - rear of A-pillar (A1/A2)
62	0.6	13	Roof (or convertible top)
52	0.5	14	Roof side rail
22	0.2	15	Windshield
52	0.5	16	Windshield header
7	0.1	17	Window frame
20	0.2	18	Floor pan (includes sill)
10	0.1	19	Backlight header
8	0.1	20	Front seat back
7	0.1	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
11	0.1	25	Seat cushion
0	0.0	26	Back door/panel (e.g. tailgate)
15	0.2	27	Other interior component

Exterior components			
0	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

Interior components (continued)			
4	0.0	35	Door/forward upper quadrant
5	0.1	36	Door/forward lower quadrant
3	0.0	37	Door/rear upper quadrant
4	0.0	38	Door/rear lower quadrant
0	0.0	41	Door/undetermined location

Variable 735:INTRUDING COMPONENT (8) (Continued)

22Sep10 Prcnt Code Value and Description

3641	38.1	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5532	57.9	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)

22Sep10 Prcnt Code Value and Description

3641	38.1	0	No intrusion
127	1.3	1	>= 3 centimeters but < 8 centimeters
117	1.2	2	>= 8 centimeters but < 15 centimeters
89	0.9	3	>= 15 centimeters but < 30 centimeters
32	0.3	4	>= 30 centimeters but < 46 centimeters
7	0.1	5	>= 46 centimeters but < 61 centimeters
3	0.0	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5532	57.9	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)

22Sep10 Prcnt Code Value and Description

157	1.6	1	Vertical
67	0.7	2	Longitudinal
151	1.6	3	Lateral
3641	38.1	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5532	57.9	9	Unknown/No record

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

NHTSA SAS Variable - INLOC9

22Sep10	Prcnt	Code	Value and Description
99	1.0	11	Front row - left
37	0.4	12	Front row - middle
93	1.0	13	Front row - right
34	0.4	21	Second row - left
12	0.1	22	Second row - middle
35	0.4	23	Second row - right
4	0.0	31	Third row - left
0	0.0	32	Third row - middle
0	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
0	0.0	88	Multiple / other severe intrusions
3695	38.7	96	No intrusion
4	0.0	98	Other enclosed area
5535	58.0	99	Unknown/No record

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

NHTSA SAS Variable - INCOMP9

22Sep10	Prcnt	Code	Value and Description
			Interior components
1	0.0	1	Steering assembly
9	0.1	2	Instrument panel left
5	0.1	3	Instrument panel center
5	0.1	4	Instrument panel right
4	0.0	5	Toe pan
26	0.3	6	A-pillar (A1/A2)
15	0.2	7	B-pillar
7	0.1	8	C-pillar
0	0.0	9	D-pillar
4	0.0	10	Side panel - forward of A-pillar (A1/A2)
2	0.0	12	Side panel - rear of A-pillar (A1/A2)
58	0.6	13	Roof (or convertible top)
50	0.5	14	Roof side rail
18	0.2	15	Windshield
32	0.3	16	Windshield header
9	0.1	17	Window frame
19	0.2	18	Floor pan (includes sill)
11	0.1	19	Backlight header
10	0.1	20	Front seat back
1	0.0	21	Second seat back
1	0.0	22	Third seat back
0	0.0	23	Fourth seat back

Variable 739:INTRUDING COMPONENT (9) (Continued)

22Sep10	Prcnt	Code	Value and Description
0	0.0	24	Fifth seat back
7	0.1	25	Seat cushion
0	0.0	26	Back door/panel (e.g. tailgate)
8	0.1	27	Other interior component
Exterior components			
0	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
Interior components (continued)			
3	0.0	35	Door/forward upper quadrant
3	0.0	36	Door/forward lower quadrant
5	0.1	37	Door/rear upper quadrant
2	0.0	38	Door/rear lower quadrant
1	0.0	41	Door/undetermined location
3695	38.7	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5535	58.0	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)

22Sep10	Prcnt	Code	Value and Description
3695	38.7	0	No intrusion
110	1.2	1	>= 3 centimeters but < 8 centimeters
101	1.1	2	>= 8 centimeters but < 15 centimeters
74	0.8	3	>= 15 centimeters but < 30 centimeters
26	0.3	4	>= 30 centimeters but < 46 centimeters
4	0.0	5	>= 46 centimeters but < 61 centimeters
3	0.0	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5535	58.0	9	Unknown/No record

<u>Variable 741</u>	<u>CRUSH DIRECTION (9)</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CDRIR9

Dominant crush direction (9)

22Sep10	Prcnt	Code	Value and Description
143	1.5	1	Vertical
57	0.6	2	Longitudinal
118	1.2	3	Lateral
3695	38.7	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5535	58.0	9	Unknown/No record

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

NHTSA SAS Variable - INLOC10

22Sep10	Prcnt	Code	Value and Description
78	0.8	11	Front row - left
37	0.4	12	Front row - middle
58	0.6	13	Front row - right
34	0.4	21	Second row - left
17	0.2	22	Second row - middle
37	0.4	23	Second row - right
0	0.0	31	Third row - left
0	0.0	32	Third row - middle
1	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
0	0.0	88	Multiple / other severe intrusions
3749	39.3	96	No intrusion
3	0.0	98	Other enclosed area
5534	58.0	99	Unknown/No record

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

NHTSA SAS Variable - INCOMP10

22Sep10	Prcnt	Code	Value and Description
			Interior components
3	0.0	1	Steering assembly
6	0.1	2	Instrument panel left
5	0.1	3	Instrument panel center
5	0.1	4	Instrument panel right

Variable 743:INTRUDING COMPONENT (10) (Continued)

22Sep10	Prcnt	Code	Value and Description
4	0.0	5	Toe pan
18	0.2	6	A-pillar (A1/A2)
13	0.1	7	B-pillar
6	0.1	8	C-pillar
1	0.0	9	D-pillar
4	0.0	10	Side panel - forward of A-pillar (A1/A2)
2	0.0	12	Side panel - rear of A-pillar (A1/A2)
61	0.6	13	Roof (or convertible top)
34	0.4	14	Roof side rail
14	0.1	15	Windshield
28	0.3	16	Windshield header
7	0.1	17	Window frame
10	0.1	18	Floor pan (includes sill)
7	0.1	19	Backlight header
9	0.1	20	Front seat back
6	0.1	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
6	0.1	25	Seat cushion
0	0.0	26	Back door/panel (e.g. tailgate)
4	0.0	27	Other interior component
Exterior components			
1	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
Interior components (continued)			
6	0.1	35	Door/forward upper quadrant
2	0.0	36	Door/forward lower quadrant
3	0.0	37	Door/rear upper quadrant
0	0.0	38	Door/rear lower quadrant
0	0.0	41	Door/undetermined location
3749	39.3	88	No intrusion
0	0.0	96	Multiple / other severe intrusions
0	0.0	98	Intrusion of unlisted component(s)
5534	58.0	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)

Variable 744:INTRUSION MAGNITUDE (10) (Continued)

22Sep10	Prcnt	Code	Value and Description
3749	39.3	0	No intrusion
95	1.0	1	>= 3 centimeters but < 8 centimeters
87	0.9	2	>= 8 centimeters but < 15 centimeters
59	0.6	3	>= 15 centimeters but < 30 centimeters
20	0.2	4	>= 30 centimeters but < 46 centimeters
3	0.0	5	>= 46 centimeters but < 61 centimeters
1	0.0	6	>= 61 centimeters
0	0.0	7	Catastrophic
0	0.0	8	Multiple / other severe intrusions
5534	58.0	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)

22Sep10	Prcnt	Code	Value and Description
131	1.4	1	Vertical
42	0.4	2	Longitudinal
92	1.0	3	Lateral
3749	39.3	6	No intrusion
0	0.0	8	Multiple / other severe intrusions
5534	58.0	9	Unknown/No record

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

NHTSA SAS Variable - COLUMTYP

22Sep10	Prcnt	Code	Value and Description
105	1.1	1	Fixed column
3367	35.3	2	Tilt column
7	0.1	3	Telescoping column
217	2.3	4	Tilt and telescoping column
0	0.0	8	Other column type
5852	61.3	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

22Sep10	Prcnt	Code	Value and Description
112	1.2	0	No tilt steering column
1121	11.7	1	Full up
640	6.7	2	Between full up and center
1203	12.6	3	Center
130	1.4	4	Between center and full down
238	2.5	5	Full down
6104	63.9	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

22Sep10	Prcnt	Code	Value and Description
3472	36.4	0	No telescoping steering column
48	0.5	1	Full back
15	0.2	2	Between full back and midpoint
44	0.5	3	Midpoint
7	0.1	4	Between midpoint and full forward
79	0.8	5	Full forward
5883	61.6	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

22Sep10	Prcnt	Code	Value and Description
3379	35.4	0	No steering rim deformation
10	0.1	1	Greater than 0 but less than 1.5 centimeters < 0 but > 1.5 cm
		-	Actual measured deformation to nearest centimeters
8	0.1	15	15 centimeters or more
42	0.4	98	Cannot measure
5938	62.2	99	Unknown/No record

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

NHTSA SAS Variable - RDEFLOC

Location of steering rim/spoke deformation

22Sep10 Prcnt Code Value and Description

3379 35.4 0 No steering rim deformation

Quarter sections

14 0.1 1 Section A

3 0.0 2 Section B

6 0.1 3 Section C

4 0.0 4 Section D

Half sections

111 1.2 5 Upper half of rim/spoke

30 0.3 6 Lower half of rim/spoke

18 0.2 7 Left half of rim/spoke

13 0.1 8 Right half of rim/spoke

24 0.3 9 Complete steering wheel collapse

8 0.1 10 Undetermined location

5938 62.2 99 Unknown/No record

<u>Variable 751</u>	<u>ODOMETER READING</u>	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - ODOMETER

22Sep10 Prcnt Code Value and Description

0 0.0 0 No odometer

13 0.1 1 (less than 1,500 kilometers)

10 0.1 2
- Code mileage to nearest 1,000 kilometers

1 0.0 483

3 0.0 500 499,500 kilometers or more

7107 74.4 999 Unknown/No record

<u>Variable 752</u>	<u>POST-CRASH INTEGRITY LOS</u>	Width: 1	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - POSTINT

Post-Crash Integrity Loss

22Sep10 Prcnt Code Value and Description

3790 39.7 0 No or unknown

Variable 752:POST-CRASH INTEGRITY LOS (Continued)

22Sep10 Prcnt Code Value and Description

227	2.4	1	Yes
5531	57.9	9	Unknown/No record

Variable 753	ADAPTIVE TECHNOLOGY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ADAPTEQ

Adaptive (Assistive) Driving Equipment

22Sep10 Prcnt Code Value and Description

3909	40.9	0	No adaptive driving equipment
5	0.1	1	Adaptive driving equipment installed

Investigator's form, any positive response coded '1'

Check all that apply

- ☐ Hand controls for braking/acceleration
- ☐ Steering control devices (attached to OEM steering wheel)
- ☐ Steering knob attached to steering wheel
- ☐ Low effort power steering (unit or device)
- ☐ Replacement steering wheel (ie reduced diameter)
- ☐ Joy-stick steering controls
- ☐ Wheelchair tie-downs
- ☐ Modifications to seat belts (specify)
- ☐ Additional or relocated switches (specify)
- ☐ Raised roof
- ☐ Wall mounted head rest (used behind wheelchair)
- ☐ Pedal extender
- ☐ Other adaptive device (specify)

5634	59.0	9	Unknown

The OCCUPANT ASSESSMENT Variables

Variables 801 through 913 describe the motor vehicle occupants of sampled vehicles involved in the crash. Vehicles with BODY TYPE greater than 49 have no occupant records.

Variable 801	PSU NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSU

22Sep10 Prcnt	Code Value and Description
355 3.2	2
	- PSU Number
335 3.0	82

Variable 802	CASE NUMBER	Width: 4	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - CASEID

Variable 803	RECORD NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

22Sep10 Prcnt	Code Value and Description
11027 100.0	9 Occupant assessment record

Variable 804	VERSION NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VERSION

22Sep10 Prcnt	Code Value and Description
11027 100.0	22 Version 22

<u>Variable 805</u>	<u>VEHICLE NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VEHNUM

22Sep10	Prcnt	Code	Value and Description
6835	62.0	1	Vehicle #1
3826	34.7	2	Vehicle #2
313	2.8	3	Vehicle #3
39	0.4	4	Vehicle #4
12	0.1	5	Vehicle #5
2	0.0	6	Vehicle #6

<u>Variable 806</u>	<u>OCCUPANT NUMBER</u>	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - OCCNO

22Sep10	Prcnt	Code	Value and Description
7283	66.0	1	
		-	Occupant number
1	0.0	14	

<u>Variable 807</u>	<u>AGE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - AGE

22Sep10	Prcnt	Code	Value and Description
73	0.7	0	Up to one year
56	0.5	1	
		-	Age in years
2	0.0	96	
1	0.0	97	97 years or older
333	3.0	99	Unknown

<u>Variable 808</u>	<u>SEX</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - SEX

22Sep10	Prcnt	Code	Value and Description
5764	52.3	1	Male
5013	45.5	2	Female - not reported pregnant
17	0.2	3	Female - pregnant - 1st trimester (1st-3rd month)
28	0.3	4	Female - pregnant - 2nd trimester (4th-6th month)

Variable 808:SEX (Continued)

22Sep10	Prcnt	Code	Value and Description
18	0.2	5	Female - pregnant - 3rd trimester (7th-9th month)
12	0.1	6	Female - pregnant - trimester unknown
175	1.6	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

22Sep10	Prcnt	Code	Value and Description
1	0.0	30	- Height in centimeters
1	0.0	216	
0	0.0	220	219.5 centimeters or more
4757	43.1	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

22Sep10	Prcnt	Code	Value and Description
1	0.0	3	- Weight in kilograms
1	0.0	148	
37	0.3	150	149.5 kilograms or more
4546	41.2	999	Unknown

Variable 811	RACE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - OCCRACE

Variable 811:RACE (Continued)

22Sep10	Prcnt	Code	Value and Description
4945	44.8	1	White
1382	12.5	2	Black
195	1.8	3	Asian
10	0.1	4	Native Hawaiian/Other Pacific Islands
36	0.3	5	American Indian, Alaskan Native
68	0.6	7	Other
0	0.0	8	Driver not present
4391	39.8	9	Unknown

Variable 812	ETHNICITY	Width: 1	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - OCETHNIC

22Sep10	Prcnt	Code	Value and Description
859	7.8	1	Hispanic or Latino
5309	48.1	2	Not Hispanic or Latino
0	0.0	8	Driver not present
4859	44.1	9	Unknown

Variable 813	OCCUPANT'S ROLE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROLE

22Sep10	Prcnt	Code	Value and Description
7281	66.0	1	Driver
3746	34.0	2	Passenger

Variable 814	OCCUPANT'S SEAT POSITION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - SEATPOS

22Sep10	Prcnt	Code	Value and Description
4717	42.8	11	Front seat - left side (driver's side)
8	0.1	12	Front seat - middle
1329	12.1	13	Front seat - right side
1	0.0	14	Front seat - other
0	0.0	15	Front seat - on/in lap of another occupant
352	3.2	21	Second seat - left side
140	1.3	22	Second seat - middle
466	4.2	23	Second seat - right side

Variable 814:OCCUPANT'S SEAT POSITION (Continued)

22Sep10	Prcnt	Code	Value and Description
17	0.2	24	Second seat - other
6	0.1	25	Second seat - on/in lap of another occupant
19	0.2	31	Third seat - left side
9	0.1	32	Third seat - middle
19	0.2	33	Third seat - right side
2	0.0	34	Third seat - other
0	0.0	35	Third seat - on/in lap of another occupant
2	0.0	41	Fourth seat - left side
1	0.0	42	Fourth seat - middle
3	0.0	43	Fourth seat - right side
1	0.0	44	Fourth seat - other
0	0.0	45	Fourth seat - on/in lap of another occupant
3903	35.4	96	Not collected for this occupant
5	0.0	97	In or on unenclosed area
15	0.1	98	Other enclosed area
12	0.1	99	Unknown seat location

Variable 815	OCCUPANT'S POSTURE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - POSTURE

22Sep10	Prcnt	Code	Value and Description
4360	39.5	0	Normal posture
1	0.0	1	Kneeling or standing on seat
7	0.1	2	Lying on or across seat
0	0.0	3	Kneeling, standing or sitting in front of seat
9	0.1	4	Sitting sideways or turned to talk with another occupant or to look out the rear window
0	0.0	5	Sitting on a console
9	0.1	6	Lying back in a reclined seat position
18	0.2	7	Bracing with feet or hands on a surface of the vehicle
376	3.4	8	Other abnormal posture
3903	35.4	98	Not collected for this occupant
2344	21.3	99	Unknown

Variable 816	EJECTION	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - EJECTION

22Sep10	Prcnt	Code	Value and Description
6908	62.6	0	No ejection
92	0.8	1	Complete ejection
71	0.6	2	Partial ejection

Variable 816:EJECTION (Continued)

22Sep10	Prcnt	Code	Value and Description
2	0.0	3	Ejection, unknown degree
3903	35.4	8	Not collected for this occupant
51	0.5	9	Unknown

Variable 817	EJECTION AREA	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - EJCTAREA

22Sep10	Prcnt	Code	Value and Description
6908	62.6	0	No ejection
5	0.0	1	Windshield
66	0.6	2	Left front
28	0.3	3	Right front
9	0.1	4	Left rear
8	0.1	5	Right rear
9	0.1	6	Rear
15	0.1	7	Roof
3	0.0	8	Other area (e.g., back of pickup, etc.)
3976	36.1	9	Unknown \ not collected for this occupant

Variable 818	EJECTION MEDIUM	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - EJCTMED

22Sep10	Prcnt	Code	Value and Description
6908	62.6	0	No ejection
21	0.2	1	Door/hatch/tailgate
7	0.1	2	Nonfixed roof structure
16	0.1	3	Fixed glazing
93	0.8	4	Nonfixed glazing
1	0.0	5	Integral structure
3903	35.4	7	Not collected for this occupant
4	0.0	8	Other medium
74	0.7	9	Unknown

Variable 819	MEDIUM STATUS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MEDSTA

Medium status (immediately prior to impact)

Variable 819:MEDIUM STATUS (Continued)

22Sep10	Prcnt	Code	Value and Description
6908	62.6	0	No ejection
28	0.3	1	Open
104	0.9	2	Closed
1	0.0	3	Integral structure
3903	35.4	8	Not collected for this occupant
83	0.8	9	Unknown

Variable 820	ENTRAPMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ENTRAP

22Sep10	Prcnt	Code	Value and Description
6418	58.2	0	Not entrapped/exit not inhibited
105	1.0	1	Entrapped/pinned - mechanically restrained
138	1.3	2	Could not exit vehicle due to jammed doors
16	0.1	3	Could not exit vehicle due to external circumstance (ie fire, live electrical wires, high water)
3903	35.4	8	Not collected for this occupant
447	4.1	9	Unknown

Variable 821	OCCUPANT MOBILITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - OCCMOBIL

22Sep10	Prcnt	Code	Value and Description
91	0.8	0	Occupant fatal before removed from vehicle
234	2.1	1	Removed from vehicle while unconscious or not oriented to time or place
532	4.8	2	Removed from vehicle due to perceived serious injuries
729	6.6	3	Exited from vehicle with some assistance
3912	35.5	4	Exited from vehicle under own power
92	0.8	5	Occupant fully ejected
3903	35.4	7	Not collected for this occupant
89	0.8	8	Removed from vehicle for other reasons
1445	13.1	9	Unknown

Variable 822	MANUAL BELT AVAILABILITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MANAVAIL

Manual (active) belt system availability

22Sep10 Prcnt Code Value and Description

22	0.2	0	Not available
0	0.0	1	Belt removed/destroyed
0	0.0	2	Shoulder belt
47	0.4	3	Lap belt
6584	59.7	4	Lap and shoulder belt
59	0.5	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)
1	0.0	8	Other belt
4314	39.1	9	Unknown \ not collected for this occupant

Variable 823	MANUAL BELT USE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - MANUSE

Manual (active) belt system used in this crash?

22Sep10 Prcnt Code Value and Description

1029	9.3	0	None used, not available, or belt removed/destroyed
1	0.0	1	Inoperative
0	0.0	2	Shoulder belt
29	0.3	3	Lap belt
5071	46.0	4	Lap and shoulder belt
47	0.4	5	Belt used - type unknown
0	0.0	8	Other belt used
0	0.0	12	Shoulder belt used with child safety seat
14	0.1	13	Lap belt used with child safety seat
202	1.8	14	Lap and shoulder belt used with child safety seat
3	0.0	15	Belt used with child safety seat - type unknown
1	0.0	18	Other belt used with child safety seat
3903	35.4	98	Not collected for this occupant
727	6.6	99	Unknown if belt used

<u>Variable 824</u>	<u>MANUAL BELT MALFUNCTION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MANFAIL

Manual (active) belt malfunction mode during crash

22Sep10	Prcnt	Code	Value and Description
1030	9.3	0	No manual belt used or not available / removed or destroyed
4469	40.5	1	No manual belt malfunction(s)
0	0.0	2	Torn webbing (stretched webbing not included)
1	0.0	3	Broken buckle or latchplate
0	0.0	4	Upper anchorage separated
0	0.0	5	Other anchorage separated
0	0.0	6	Broken retractor
0	0.0	7	Combination of above
0	0.0	8	Other manual belt malfunction
5527	50.1	9	Unknown / not collected for this occupant

<u>Variable 825</u>	<u>SHOULDER BELT ANCHOR ADJ</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BELTANCH

Manual shoulder belt upper anchorage adjustment

22Sep10	Prcnt	Code	Value and Description
70	0.6	0	No manual shoulder belt
1647	14.9	1	No upper anchorage adjustment for manual shoulder belt
			Adjustable shoulder belt upper anchorage
1668	15.1	2	In full upright position
605	5.5	3	In mid position
1465	13.3	4	In full down position
532	4.8	5	Position unknown
3903	35.4	8	Not collected for this occupant
1137	10.3	9	Unknown if position has adjustable shoulder belt anchorage device

<u>Variable 826</u>	<u>MANUAL BELT PRETENSIONER</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ACTPRET

Pretensioner presence/actuation (SEATLOC/OA)

Variable 826:MANUAL BELT PRETENSIONER (Continued)

22Sep10	Prcnt	Code	Value and Description
1965	17.8	0	Not equipped
1664	15.1	1	Pretensioner not actuated
1190	10.8	2	Retractor type actuated
734	6.7	5	Pretensioner present, unknown if actuated
208	1.9	6	Buckle type actuated
36	0.3	7	Retractor and buckle type actuated
3961	35.9	8	No match from SEATLOC file
1269	11.5	9	Unknown if equipped

Variable 827	MANUAL BELT HISTORY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ACTHIST - all missing in 2009

22Sep10	Prcnt	Code	Value and Description
3961	35.9	8	No match from SEATLOC file
7066	64.1	9	Unknown

Variable 828	BELT POSITIONING DEVICE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - IPOSPRES

Seat belt positioning device presence

22Sep10	Prcnt	Code	Value and Description
5583	50.6	0	None present
1	0.0	1	Buckle Buddy - shoulder belt adjuster
0	0.0	2	Sta-n-Place - shoulder belt adjuster
0	0.0	3	Belt-A-Way - shoulder belt adjuster
3	0.0	4	Shoulder Strap Adjuster - shoulder belt adjuster
0	0.0	5	Child Protector - lap and shoulder belt adjuster
0	0.0	6	SafeFit - shoulder belt adjuster
0	0.0	7	SafeFit Supreme - shoulder belt adjuster
4	0.0	8	Seat Belt Adjuster - shoulder belt adjuster
0	0.0	9	Klunk-Klip - shoulder belt adjuster
0	0.0	10	Child Safer - shoulder belt adjuster
0	0.0	11	Comfort Ride - shoulder belt adjuster
0	0.0	12	Belt Buddy
3961	35.9	88	No match from SEATLOC file
108	1.0	97	OEM device
7	0.1	98	Other (specify)
1360	12.3	99	Unknown if present

Variable 829	SEAT - INTEGRATED BELTS	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INTGREST

Does the seat have integrated passenger belts?

22Sep10	Prcnt	Code	Value and Description
5364	48.6	0	No
344	3.1	1	Yes
3961	35.9	8	No match from SEATLOC file
1358	12.3	9	Unknown if integrated

Variable 830	AUTO RESTRAINT AVAILABLE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ABELTAVL

Automatic (passive) belt system availability / function

22Sep10	Prcnt	Code	Value and Description
7082	64.2	0	Not equipped/not available
0	0.0	1	2 point automatic belts
0	0.0	2	3 point automatic belts
0	0.0	3	Automatic belts - type unknown
			Nonfunctional
0	0.0	4	Automatic belts destroyed or rendered inoperative
3903	35.4	8	Not collected for this occupant
42	0.4	9	Unknown

Variable 831	AUTO (PASSIV) SYSTEM USE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ABELTUSE

Automatic (passive) belt system use

22Sep10	Prcnt	Code	Value and Description
7082	64.2	0	Not equipped/not available/destroyed or rendered inoperative
0	0.0	1	Automatic belt in use
0	0.0	2	Automatic belt not in use (manually disconnected, motorized track inoperative)
0	0.0	3	Automatic belt use unknown
3903	35.4	8	Not collected for this occupant
42	0.4	9	Unknown

Variable 832	AUTO BELT SYSTEM TYPE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ABELTYPE

Automatic (passive) belt system type

22Sep10	Prcnt	Code	Value and Description
7082	64.2	0	Not equipped/not available/destroyed or rendered inoperative
0	0.0	1	Nonmotorized system
0	0.0	2	Motorized system
3903	35.4	8	Not collected for this occupant
42	0.4	9	Unknown

Variable 833	AUTO BELT FAILURE MODES	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ABLTFAIL

Automatic (passive) belt malfunction modes during crash

22Sep10	Prcnt	Code	Value and Description
7082	64.2	0	Not equipped/not available/destroyed or rendered inoperative
3903	35.4	8	Not collected for this occupant
42	0.4	9	Unknown

Variable 834	PAR RESTRAINT USE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - PARUSE

Police reported belt use

22Sep10	Prcnt	Code	Value and Description
1008	9.1	0	None used
469	4.3	1	Police did not indicate belt use
97	0.9	2	Shoulder belt
154	1.4	3	Lap belt
7757	70.3	4	Lap and shoulder belt
420	3.8	5	Belt used, type not specified
327	3.0	6	Child safety seat
0	0.0	7	Automatic belt
15	0.1	8	Other type belt
780	7.1	9	Police indicated "unknown"

<u>Variable 835</u>	<u>BELT USE DETERMINATION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BELTSOU

Primary source of belt use determination

22Sep10	Prcnt	Code	Value and Description
62	0.6	0	Not equipped/not available/destroyed or rendered inoperative
5333	48.4	1	Vehicle inspection
132	1.2	2	Official injury data
995	9.0	3	Driver/occupant interview
3903	35.4	7	Not collected for this occupant
12	0.1	8	Other
590	5.4	9	Unknown if belt used

<u>Variable 836</u>	<u>AIR BAG AVAIL/FUN POLICE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGAVRPT

Police reported air bag availability/function

22Sep10	Prcnt	Code	Value and Description
1342	12.2	0	No air bag available
1850	16.8	1	Police did not indicate air bag availability/function
3931	35.6	2	Deployed
3526	32.0	3	Not deployed
19	0.2	4	Unknown if deployed
359	3.3	9	Police indicated "unknown"

<u>Variable 837</u>	<u>AIR BAG AVAIL/FUNCTION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGAVAIL

Air bag system available/function

22Sep10	Prcnt	Code	Value and Description
1078	9.8	0	Not equipped/not available
5571	50.5	1	Air bag
			Nonfunctional
9	0.1	2	Air bag disconnected
8	0.1	3	Air bag not reinstalled
3903	35.4	8	Not collected for this occupant
458	4.2	9	Unknown

Variable 838	AIR BAG DEPLOYMENT	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGDEPLY

Air bag system deployment

22Sep10	Prcnt	Code	Value and Description
1095	9.9	0	Not equipped/not available
2349	21.3	1	Air bag deployed during crash (as a result of impact)
0	0.0	2	Air bag deployed inadvertently just prior to crash
66	0.6	3	Air bag deployed, detail unknown
0	0.0	4	Air bag deployed as a result of a noncollision event during crash sequence (e.g. fire, explosion, electrical)
168	1.5	5	Unknown if deployed
2988	27.1	7	Nondeployed
3903	35.4	8	Not collected for this occupant
458	4.2	9	Unknown

Variable 839	AB AVAIL/OTHER	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGAVOTH

Other than first seat frontal air bag availability/function

22Sep10	Prcnt	Code	Value and Description
4003	36.3	0	Not equipped/not available
2662	24.1	1	Air bag
			Nonfunctional
0	0.0	2	Air bag disconnected (specify)
1	0.0	3	Air bag not reinstalled
3903	35.4	8	Not collected for this occupant
458	4.2	9	Unknown

Variable 840	AIR BAG DEPLOY/OTHER	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGDEPOT

Air bag(s) deployment, other than first seat frontal

22Sep10	Prcnt	Code	Value and Description
4004	36.3	0	Not equipped with an "other" air bag
509	4.6	1	Air bag deployed during crash (as a result of impact)
0	0.0	2	Air bag deployed inadvertently just prior to crash
10	0.1	3	Air bag deployed, detail unknown

Variable 840: AIR BAG DEPLOY/OTHER (Continued)

22Sep10	Prcnt	Code	Value and Description
0	0.0	4	Air bag deployed as a result of a noncollision event during crash sequence (e.g. fire, explosion, electrical)
74	0.7	5	Unknown if deployed
2069	18.8	7	Nondeployed
3903	35.4	8	Not collected for this occupant
458	4.2	9	Unknown

Variable 841	AIR BAG SYSTEM FAILURE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGFAIL

Are there indications of Air Bag system failure?

22Sep10	Prcnt	Code	Value and Description
877	8.0	0	Not equipped/not available
4933	44.7	1	No
14	0.1	2	Yes
3903	35.4	8	Not collected for this occupant
1300	11.8	9	Unknown

Variable 842	AB DEPLOY/PREVIOUS CRASH	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - PREVACC

Had vehicle been in previous crashes?

22Sep10	Prcnt	Code	Value and Description
1095	9.9	0	Not equipped/not available
3215	29.2	1	No previous crashes
			Yes
375	3.4	2	Previous crash(es) without deployment(s)
20	0.2	3	One previous crash with deployment
0	0.0	4	More than one previous crash with at least one deployment
3903	35.4	7	Not collected for this occupant
44	0.4	8	Previous crashes, unknown deployment status
2375	21.5	9	Unknown

Variable 843	AIR BAG TYPE	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGTYPE

22Sep10	Prcnt	Code	Value and Description
1095	9.9	0	Not equipped/not available
3444	31.2	1	Original manufacturer installed system
0	0.0	2	Retrofitted air bag
16	0.1	3	Replacement air bag
4	0.0	5	Unknown if air bag available for this crash
3903	35.4	7	Not collected for this occupant
2107	19.1	8	Unknown type of air bag
458	4.2	9	Unknown

Variable 844	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?

22Sep10	Prcnt	Code	Value and Description
1095	9.9	0	Not equipped/not available
3480	31.6	1	No prior maintenance
27	0.2	2	Yes, prior maintenance (specify)
3903	35.4	7	Not collected for this occupant
2522	22.9	9	Unknown

Variable 845	AIR BAG EVENT NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - BAGEVENT

Air bag deployment crash event sequence number

22Sep10	Prcnt	Code	Value and Description
1095	9.9	0	Not equipped/not available
1864	16.9	1	Event number 1
184	1.7	2	Event number 2
56	0.5	3	Event number 3
12	0.1	4	Event number 4
6	0.1	5	Event number 5
7	0.1	6	Event number 6
1	0.0	8	Event number 8
3903	35.4	95	Not collected for this occupant
285	2.6	96	Deployed, unknown event

Variable 845: AIR BAG EVENT NUMBER (Continued)

22Sep10 Prcnt Code Value and Description

2988	27.1	97	Not deployed
168	1.5	98	Unknown if deployed
458	4.2	99	Unknown

Variable 846	CDC OF AIR BAG DEPLOY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGCDC

CDC for air bag deployment impact

22Sep10 Prcnt Code Value and Description

1095	9.9	0	Not equipped/not available
2030	18.4	1	Highest delta-v
93	0.8	2	Second highest delta-v
7	0.1	3	Other delta-v (specify)
3903	35.4	5	Not collected for this occupant
285	2.6	6	Deployed, unknown event
2988	27.1	7	Not deployed
168	1.5	8	Unknown if deployed
458	4.2	9	Unknown

Variable 847	AB ASSOC LONG DELTA-V	Width: 4	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - DVBAG

Longitudinal component of Delta-v for air bag deployment impact
Note: value range -160kmph to +160kmph

22Sep10 Prcnt Code Value and Description

0	0.0	-160	< or = -159.5 kmph
1	0.0	-145	
		-	Code the value of the delta-v for the impact that initiated the air bag deployment
1	0.0	-1	
1095	9.9	0	Not equipped/not available
5	0.0	1	1 kmph
1	0.0	15	15 kmph
0	0.0	160	> or = 159.5 kmph
3903	35.4	995	Not collected for this occupant
969	8.8	996	Deployment, unknown longitudinal delta-v
2988	27.1	997	Not deployed
168	1.5	998	Unknown if deployed
458	4.2	999	Unknown

Variable 848	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?

22Sep10	Prcnt	Code	Value and Description
1095	9.9	0	Not equipped/not available
1	0.0	1	No
2111	19.1	2	Yes
303	2.7	3	Deployed, unknown if flaps/seams opened at tear points
3903	35.4	6	Not collected for this occupant
2988	27.1	7	Not deployed
168	1.5	8	Unknown if deployed
458	4.2	9	Unknown

Variable 849	AB FLAPS DAMAGED	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BAGFLDAM

Were air bag module cover flap(s) damaged?

22Sep10	Prcnt	Code	Value and Description
1095	9.9	0	Not equipped/not available
2088	18.9	1	No
6	0.1	2	Yes (specify)
321	2.9	3	Deployed, unknown if flap(s) damaged
3903	35.4	6	Not collected for this occupant
2988	27.1	7	Not deployed
168	1.5	8	Unknown if deployed
458	4.2	9	Unknown

Variable 850	AB DAMAGED	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - BAGDAMAG

Was there damage to the air bag?

22Sep10	Prcnt	Code	Value and Description
1095	9.9	0	Not equipped/not available
2032	18.4	1	Not damaged
			Yes - air bag damaged
0	0.0	2	Ruptured
5	0.0	3	Cut
7	0.1	4	Torn

Variable 850:AB DAMAGED (Continued)

22Sep10	Prcnt	Code	Value and Description
0	0.0	5	Holed
11	0.1	6	Burned
0	0.0	7	Abraded
0	0.0	88	Other damage (specify)
3903	35.4	94	Not collected for this occupant
0	0.0	95	Damaged, details unknown
360	3.3	96	Deployed, unknown if damaged
2988	27.1	97	Not deployed
168	1.5	98	Unknown if deployed
458	4.2	99	Unknown

Variable 851	AB DAMAGE SOURCE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - BAGDAMSO

Source of air bag damage

22Sep10	Prcnt	Code	Value and Description
1095	9.9	0	Not equipped/not available
2032	18.4	1	Not damaged
			Yes - damaged
0	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
6	0.1	6	Thermal burns
0	0.0	7	Rescue or emergency efforts
4	0.0	88	Other damage source (specify)
3903	35.4	93	Not collected for this occupant
3	0.0	94	Post-crash damage
9	0.1	95	Damaged, unknown source
357	3.2	96	Deployed, unknown if damaged
2988	27.1	97	Not deployed
168	1.5	98	Unknown if deployed
458	4.2	99	Unknown

<u>Variable 852</u>	<u>AIRBAG LOCATION (1)</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 88

NHTSA SAS Variable - BAGLOC

22Sep10	Prcnt	Code	Value and Description
5223	47.4	0	No AIRBAG record match
4295	38.9	1	Steering wheel hub
731	6.6	2	Top instrument panel
469	4.3	3	Mid instrument panel
6	0.1	4	Bottom instrument panel
44	0.4	5	Seat back
7	0.1	6	Door/panel
232	2.1	7	Roof side rail
2	0.0	98	Other (specify)
18	0.2	99	Unknown

<u>Variable 853</u>	<u>AIRBAG MAINTENANCE (1)</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 8

NHTSA SAS Variable - BAGMAINT

Had any prior maintenance/service been performed on this air bag system?

22Sep10	Prcnt	Code	Value and Description
3639	33.0	0	Not equipped/not available
31	0.3	1	No prior maintenance
0	0.0	2	Yes, prior maintenance (specify)
5223	47.4	7	No AIRBAG record match
2134	19.4	9	Unknown

<u>Variable 854</u>	<u>AIRBAG NUMBER (1)</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 88

NHTSA SAS Variable - BAGNO

22Sep10	Prcnt	Code	Value and Description
5223	47.4	0	No AIRBAG record match
4334	39.3	1	Airbag #1
1033	9.4	2	Airbag #2
165	1.5	3	Airbag #3
145	1.3	4	Airbag #4
39	0.4	5	Airbag #5
82	0.7	6	Airbag #6
6	0.1	7	Airbag #7
0	0.0	99	Unknown

<u>Variable 855</u>	<u>AIRBAG TYPE (1)</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 88

NHTSA SAS Variable - BAGTYPE

Type Of Air Bag

22Sep10	Prcnt	Code	Value and Description
5223	47.4	0	No AIRBAG record match
3601	32.7	1	Original manufacturer install
0	0.0	2	Retrofitted air bag
15	0.1	3	Replacement air bag
2166	19.6	4	Unknown type
5	0.0	5	Unknown if air bag available for this crash
17	0.2	70	No air bag available for this crash (disconnected/not reinstalled)

<u>Variable 856</u>	<u>AIRBAG PREVIOUS CRASH(1)</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 7

NHTSA SAS Variable - PREVACC

Had the vehicle been in previous crashes (1)?

22Sep10	Prcnt	Code	Value and Description
4	0.0	0	Not equipped/not available
3370	30.6	1	No previous crashes
385	3.5	2	Previous crash(es) without deployment(s)
22	0.2	3	One previous crash with deployment
0	0.0	4	More than one previous crash with at least one deployment
5223	47.4	6	No AIRBAG record match
51	0.5	8	Previous crashes, unknown deployment status
1972	17.9	9	Unknown

<u>Variable 857</u>	<u>AIRBAG SWITCH TYPE (1)</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 8

NHTSA SAS Variable - SWITCHTYPE

Type of cutoff switch

22Sep10	Prcnt	Code	Value and Description
5675	51.5	0	None present
40	0.4	1	Originally equipped
2	0.0	2	Retro fit
2	0.0	3	Switch present, type unknown
5223	47.4	7	No AIRBAG record match
85	0.8	9	Unknown if switch present

Variable 858	AIRBAG SWITCH SETTING(1)	Width: 1	Type: Numeric
		Dec: None	Miss: 6

NHTSA SAS Variable - SWITCHSET

Cutoff switch position status

22Sep10	Prcnt	Code	Value and Description
36	0.3	0	Switch on/automatic
6	0.1	1	Switch off
5223	47.4	5	No AIRBAG record match
5675	51.5	7	None present
85	0.8	8	Unknown if switch present
2	0.0	9	Switch status unknown

Variable 859	AIRBAG LOCATION (2)	Width: 2	Type: Numeric
		Dec: None	Miss: 88

NHTSA SAS Variable - BAGLOC

22Sep10	Prcnt	Code	Value and Description
5223	47.4	0	No AIRBAG record match
41	0.4	1	Steering wheel hub
11	0.1	2	Top instrument panel
3	0.0	3	Mid instrument panel
85	0.8	4	Bottom instrument panel
1817	16.5	5	Seat back
65	0.6	6	Door/panel
412	3.7	7	Roof side rail
3364	30.5	88	No 2nd AIRBAG record
4	0.0	98	Other (specify)
2	0.0	99	Unknown

Variable 860	AIRBAG MAINTENANCE (2)	Width: 1	Type: Numeric
		Dec: None	Miss: 8

NHTSA SAS Variable - BAGMAINT

Had any prior maintenance/service been performed on this air bag system?

22Sep10	Prcnt	Code	Value and Description
1616	14.7	0	Not equipped/not available
8	0.1	1	No prior maintenance
0	0.0	2	Yes, prior maintenance (specify)
5223	47.4	7	No AIRBAG record match
3364	30.5	8	No 2nd AIRBAG record
816	7.4	9	Unknown

<u>Variable 861</u>	<u>AIRBAG NUMBER (2)</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 88

NHTSA SAS Variable - BAGNO

22Sep10	Prcnt	Code	Value and Description
5223	47.4	0	No AIRBAG record match
791	7.2	2	Airbag #2
1094	9.9	3	Airbag #3
405	3.7	4	Airbag #4
137	1.2	5	Airbag #5
9	0.1	6	Airbag #6
1	0.0	7	Airbag #7
3	0.0	8	Airbag #8
3364	30.5	88	No 2nd AIRBAG record
0	0.0	99	Unknown

<u>Variable 862</u>	<u>AIRBAG TYPE (2)</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 88

NHTSA SAS Variable - BAGTYPE

Type Of Air Bag

22Sep10	Prcnt	Code	Value and Description
5223	47.4	0	No AIRBAG record match
1605	14.6	1	Original manufacturer install
0	0.0	2	Retrofitted air bag
3	0.0	3	Replacement air bag
830	7.5	4	Unknown type
1	0.0	5	Unknown if air bag available for this crash
1	0.0	70	No air bag available for this crash (disconnected/not reinstalled)
3364	30.5	88	No 2nd AIRBAG record

<u>Variable 863</u>	<u>AIRBAG PREVIOUS CRASH(2)</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 7

NHTSA SAS Variable - PREVACC

Had the vehicle been in previous crashes?

22Sep10	Prcnt	Code	Value and Description
7	0.1	0	Not equipped/not available
1530	13.9	1	No previous crashes
129	1.2	2	Previous crash(es) without deployment(s)
2	0.0	3	One previous crash with deployment
1	0.0	4	More than one previous crash with at least one deployment
5223	47.4	6	No AIRBAG record match

Variable 863: AIRBAG PREVIOUS CRASH(2) (Continued)

22Sep10	Prcnt	Code	Value and Description
3364	30.5	7	No 2nd AIRBAG record
16	0.1	8	Previous crashes, unknown deployment status
755	6.8	9	Unknown

Variable 864	AIRBAG SWITCH TYPE (2)	Width: 1	Type: Numeric
		Dec: None	Miss: 8

NHTSA SAS Variable - SWITCHTYPE

Type of cutoff switch

22Sep10	Prcnt	Code	Value and Description
2431	22.0	0	None present
0	0.0	1	Originally equipped
0	0.0	2	Retro fit
0	0.0	3	Switch present, type unknown
5223	47.4	7	No AIRBAG record match
3364	30.5	8	No 2nd AIRBAG record
9	0.1	9	Unknown if switch present

Variable 865	AIRBAG SWITCH SETTING(2)	Width: 1	Type: Numeric
		Dec: None	Miss: 6

NHTSA SAS Variable - SWITCHSET

Cutoff switch position status

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	Switch on/automatic
0	0.0	1	Switch off
5223	47.4	5	No AIRBAG record match
3364	30.5	6	No 2nd AIRBAG record
2431	22.0	7	None present
9	0.1	8	Unknown if switch present
0	0.0	9	Switch status unknown

Variable 866	AIRBAG LOCATION (3)	Width: 2	Type: Numeric
		Dec: None	Miss: 88

NHTSA SAS Variable - BAGLOC

22Sep10	Prcnt	Code	Value and Description
5223	47.4	0	No AIRBAG record match
14	0.1	1	Steering wheel hub

Variable 866: AIRBAG LOCATION (3) (Continued)

22Sep10	Prcnt	Code	Value and Description
	2 0.0	2	Top instrument panel
	3 0.0	3	Mid instrument panel
	19 0.2	4	Bottom instrument panel
	122 1.1	5	Seat back
	9 0.1	6	Door/panel
	1224 11.1	7	Roof side rail
	4411 40.0	88	No 3rd AIRBAG record
	0 0.0	98	Other (specify)
	0 0.0	99	Unknown

Variable 867	AIRBAG MAINTENANCE (3)	Width: 1	Type: Numeric
		Dec: None	Miss: 8

NHTSA SAS Variable - BAGMAINT

Had any prior maintenance/service been performed on this air bag system?

22Sep10	Prcnt	Code	Value and Description
	967 8.8	0	Not equipped/not available
	2 0.0	1	No prior maintenance
	0 0.0	2	Yes, prior maintenance (specify)
	5223 47.4	7	No AIRBAG record match
	4411 40.0	8	No 3rd AIRBAG record
	424 3.8	9	Unknown

Variable 868	AIRBAG NUMBER (3)	Width: 2	Type: Numeric
		Dec: None	Miss: 88

NHTSA SAS Variable - BAGNO

22Sep10	Prcnt	Code	Value and Description
	5223 47.4	0	No AIRBAG record match
	431 3.9	3	Airbag #3
	98 0.9	4	Airbag #4
	547 5.0	5	Airbag #5
	285 2.6	6	Airbag #6
	25 0.2	7	Airbag #7
	7 0.1	8	Airbag #8
	4411 40.0	88	No 3rd AIRBAG record
	0 0.0	99	Unknown

Variable 869	AIRBAG TYPE (3)	Width: 2	Type: Numeric
		Dec: None	Miss: 88

NHTSA SAS Variable - BAGTYPE

Type Of Air Bag

22Sep10	Prcnt	Code	Value and Description
5223	47.4	0	No AIRBAG record match
970	8.8	1	Original manufacturer install
0	0.0	2	Retrofitted air bag
0	0.0	3	Replacement air bag
423	3.8	4	Unknown type
0	0.0	5	Unknown if air bag available for this crash
0	0.0	70	No air bag available for this crash (disconnected/not reinstalled)
4411	40.0	88	No 3rd AIRBAG record

Variable 870	AIRBAG PREVIOUS CRASH(3)	Width: 1	Type: Numeric
		Dec: None	Miss: 7

NHTSA SAS Variable - PREVACC

Had the vehicle been in previous crashes?

22Sep10	Prcnt	Code	Value and Description
4	0.0	0	Not equipped/not available
921	8.4	1	No previous crashes
69	0.6	2	Previous crash(es) without deployment(s)
0	0.0	3	One previous crash with deployment
1	0.0	4	More than one previous crash with at least one deployment
5223	47.4	6	No AIRBAG record match
4411	40.0	7	No 3rd AIRBAG record
7	0.1	8	Previous crashes, unknown deployment status
391	3.5	9	Unknown

Variable 871	AIRBAG SWITCH TYPE (3)	Width: 1	Type: Numeric
		Dec: None	Miss: 8

NHTSA SAS Variable - SWITCHTYPE

Type of cutoff switch

22Sep10	Prcnt	Code	Value and Description
1391	12.6	0	None present
0	0.0	1	Originally equipped
0	0.0	2	Retro fit
0	0.0	3	Switch present, type unknown
5223	47.4	7	No AIRBAG record match

Variable 871: AIRBAG SWITCH TYPE (3) (Continued)

22Sep10	Prcnt	Code	Value and Description
4411	40.0	8	No 3rd AIRBAG record
2	0.0	9	Unknown if switch present

Variable 872	AIRBAG SWITCH SETTING(3)	Width: 1	Type: Numeric
		Dec: None	Miss: 6

NHTSA SAS Variable - SWITCHSET

Cutoff switch position status

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	Switch on/automatic
0	0.0	1	Switch off
5223	47.4	5	No AIRBAG record match
4411	40.0	6	No 3rd AIRBAG record
1391	12.6	7	None present
2	0.0	8	Unknown if switch present
0	0.0	9	Switch status unknown

Variable 873	AIRBAG LOCATION (4)	Width: 2	Type: Numeric
		Dec: None	Miss: 88

NHTSA SAS Variable - BAGLOC

22Sep10	Prcnt	Code	Value and Description
5223	47.4	0	No AIRBAG record match
1	0.0	1	Steering wheel hub
0	0.0	2	Top instrument panel
0	0.0	3	Mid instrument panel
17	0.2	4	Bottom instrument panel
6	0.1	5	Seat back
1	0.0	6	Door/panel
49	0.4	7	Roof side rail
5727	51.9	88	No 4th AIRBAG record
3	0.0	98	Other (specify)
0	0.0	99	Unknown

Variable 874	AIRBAG MAINTENANCE (4)	Width: 1	Type: Numeric
		Dec: None	Miss: 8

NHTSA SAS Variable - BAGMAINT

Had any prior maintenance/service been performed on this air bag system?

Variable 874: AIRBAG MAINTENANCE (4) (Continued)

22Sep10	Prcnt	Code	Value and Description
56	0.5	0	Not equipped/not available
0	0.0	1	No prior maintenance
0	0.0	2	Yes, prior maintenance (specify)
5223	47.4	7	No AIRBAG record match
5727	51.9	8	No 4th AIRBAG record
21	0.2	9	Unknown

Variable 875	AIRBAG NUMBER (4)	Width: 2	Type: Numeric
		Dec: None	Miss: 88

NHTSA SAS Variable - BAGNO

22Sep10	Prcnt	Code	Value and Description
5223	47.4	0	No AIRBAG record match
24	0.2	4	Airbag #4
5	0.0	5	Airbag #5
27	0.2	6	Airbag #6
11	0.1	7	Airbag #7
4	0.0	8	Airbag #8
4	0.0	9	Airbag #9
2	0.0	10	Airbag #10
5727	51.9	88	No 4th AIRBAG record
0	0.0	99	Unknown

Variable 876	AIRBAG TYPE (4)	Width: 2	Type: Numeric
		Dec: None	Miss: 88

NHTSA SAS Variable - BAGTYPE

Type Of Air Bag

22Sep10	Prcnt	Code	Value and Description
5223	47.4	0	No AIRBAG record match
53	0.5	1	Original manufacturer install
0	0.0	2	Retrofitted air bag
0	0.0	3	Replacement air bag
24	0.2	4	Unknown type
0	0.0	5	Unknown if air bag available for this crash
0	0.0	70	No air bag available for this crash (disconnected/not reinstalled)
5727	51.9	88	No 4th AIRBAG record

<u>Variable 877</u>	<u>AIRBAG PREVIOUS CRASH(4)</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 7

NHTSA SAS Variable - PREVACC

Had the vehicle been in previous crashes?

22Sep10	Prcnt	Code	Value and Description
1	0.0	0	Not equipped/not available
53	0.5	1	No previous crashes
5	0.0	2	Previous crash(es) without deployment(s)
0	0.0	3	One previous crash with deployment
0	0.0	4	More than one previous crash with at least one deployment
5223	47.4	6	No AIRBAG record match
5727	51.9	7	No 4th AIRBAG record
0	0.0	8	Previous crashes, unknown deployment status
18	0.2	9	Unknown

<u>Variable 878</u>	<u>AIRBAG SWITCH TYPE (4)</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 8

NHTSA SAS Variable - SWITCHTYPE

Type of cutoff switch

22Sep10	Prcnt	Code	Value and Description
77	0.7	0	None present
0	0.0	1	Originally equipped
0	0.0	2	Retro fit
0	0.0	3	Switch present, type unknown
5223	47.4	7	No AIRBAG record match
5727	51.9	8	No 4th AIRBAG record
0	0.0	9	Unknown if switch present

<u>Variable 879</u>	<u>AIRBAG SWITCH SETTING(4)</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 6

NHTSA SAS Variable - SWITCHSET

Cutoff switch position status

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	Switch on/automatic
0	0.0	1	Switch off
5223	47.4	5	No AIRBAG record match
5727	51.9	6	No 4th AIRBAG record
77	0.7	7	None present
0	0.0	8	Unknown if switch present
0	0.0	9	Switch status unknown

<u>Variable 880</u>	<u>ROLLOVER PROTECTION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ROLLPROT

22Sep10	Prcnt	Code	Value and Description
7117	64.5	0	No or unknown
7	0.1	1	Yes
3903	35.4	8	Not collected for this occupant

<u>Variable 881</u>	<u>EYEWEAR WORN</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - EYEWEAR

Was this occupant wearing eyewear?

22Sep10	Prcnt	Code	Value and Description
4998	45.3	0	Not air bag equipped/not available
1214	11.0	1	No
458	4.2	2	Eyeglasses/sunglasses
181	1.6	3	Contact lenses
562	5.1	4	Deployed, unknown if eyewear worn
2988	27.1	7	Not deployed
168	1.5	8	Unknown if deployed
458	4.2	9	Unknown

<u>Variable 882</u>	<u>HEAD RESTRAINT TYPE/DAM</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - HEADREST

Head restraint type/damage by occupant at this position

22Sep10	Prcnt	Code	Value and Description
242	2.2	0	No head restraints
622	5.6	1	Integral - no damage
0	0.0	2	Integral - damaged during crash
4899	44.4	3	Adjustable - no damage
28	0.3	4	Adjustable - damaged during crash
1	0.0	5	Add-on - no damage
0	0.0	6	Add-on - damaged during crash
3903	35.4	7	Not collected for this occupant
0	0.0	8	Other
1332	12.1	9	Unknown

<u>Variable 883</u>	<u>HEAD RESTRAINT ACTIVE</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - HEADACT

Active head restraint

22Sep10	Prcnt	Code	Value and Description
5554	50.4	1	None present
112	1.0	2	Present
3961	35.9	8	No SEATLOC record match
1400	12.7	9	Unknown

<u>Variable 884</u>	<u>SEAT TYPE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - SEATTYPE

Seat Type (this Occupant's Position)

22Sep10	Prcnt	Code	Value and Description
31	0.3	0	Occupant not seated or no seat
3729	33.8	1	Bucket
670	6.1	2	Bucket with folding back
150	1.4	3	Bench
51	0.5	4	Bench with separate back cushions
316	2.9	5	Bench with folding back(s)
295	2.7	6	Split bench with separate back cushions
331	3.0	7	Split bench with folding back(s)
0	0.0	8	Pedestal (i.e., column supported)
219	2.0	9	Box mounted seat (i.e., van type)
12	0.1	10	Other seat type
3903	35.4	98	Not collected for this occupant
1320	12.0	99	Unknown seat type / location

<u>Variable 885</u>	<u>SEAT ORIENTATION</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - STORIENT

Seat Orientation (this Occupant's Position)

22Sep10	Prcnt	Code	Value and Description
31	0.3	0	Occupant not seated or no seat
5760	52.2	1	Forward facing seat
0	0.0	2	Rear facing seat
3	0.0	3	Side facing seat (inward)
0	0.0	4	Side facing seat (outward)
3903	35.4	7	Not collected for this occupant

Variable 885:SEAT ORIENTATION (Continued)

22Sep10 Prcnt Code Value and Description

0	0.0	8	Other
1330	12.1	9	Unknown

Variable 886	SEAT TRACK	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - SEATRACK

Seat track adjusted position prior to impact

22Sep10 Prcnt Code Value and Description

31	0.3	0	Occupant not seated or no seat
784	7.1	1	Nonadjustable seat track

Adjustable seat track

176	1.6	2	Seat at forward most track position
544	4.9	3	Seat between forward most and middle track position
1377	12.5	4	Seat at middle track position
1179	10.7	5	Seat between middle and rear most track position
1270	11.5	6	Seat at rear most track position
3903	35.4	8	Not collected for this occupant
1763	16.0	9	Unknown seat track position

Variable 887	SEAT BACK INCLINE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - STBACINC

Seat back incline prior and post impact

22Sep10 Prcnt Code Value and Description

31	0.3	0	Occupant not seated or no seat
751	6.8	1	Nonadjustable

Upright prior to impact

7	0.1	11	Moved to completely rearward position
10	0.1	12	Moved to rearward midrange position
11	0.1	13	Moved to partially rearward position
937	8.5	14	Retained pre-impact position
11	0.1	15	Moved to partially forward position
4	0.0	16	Moved to forward midrange position
1	0.0	17	Moved to completely forward position

Partially reclined prior to impact

26	0.2	21	Moved to completely rearward position
96	0.9	22	Moved to rearward midrange position

Variable 887:SEAT BACK INCLINE (Continued)

22Sep10	Prcnt	Code	Value and Description
3460	31.4	23	Retained pre-impact position
9	0.1	24	Moved to upright position
23	0.2	25	Moved to partially forward position
13	0.1	26	Moved to forward midrange position
3	0.0	27	Moved to completely forward position
			Completely reclined prior to impact
12	0.1	31	Retained pre-impact position
0	0.0	32	Moved to rearward midrange position
0	0.0	33	Moved to slightly rearward position
0	0.0	34	Moved to upright position
0	0.0	35	Moved to partially forward position
0	0.0	36	Moved to forward midrange position
0	0.0	37	Moved to completely forward position
3903	35.4	98	Not collected for this occupant
1719	15.6	99	Unknown

Variable 888	SEAT PERFORMANCE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - SEATPERF

Seat Performance (this Occupant's Position)

22Sep10	Prcnt	Code	Value and Description
31	0.3	0	Occupant not seated or no seat
5019	45.5	1	No seat performance failure(s)
5	0.0	2	Seat adjusters failed
0	0.0	3	Seat back folding locks or "seat back" failed
7	0.1	4	Seat track/anchors failed
172	1.6	5	Deformed by occupant of this seat
162	1.5	6	Deformed by passenger compartment intrusion
39	0.4	7	Combination of above
16	0.1	10	Deformed by cargo
44	0.4	11	Deformed by other occupant
3903	35.4	97	Not collected for this occupant
6	0.1	98	Other
1623	14.7	99	Unknown

Variable 889	CHILD SEAT USED	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - CHUSED

Variable 889:CHILD SEAT USED (Continued)

22Sep10 Prcnt Code Value and Description

10569	95.8	0	No
367	3.3	1	Yes
91	0.8	9	Unknown

Variable 890	CHILD SEAT MAKE/MODEL	Width: 3	Type: Numeric
		Dec: None	Miss: 999

NHTSA SAS Variable - CHMAKE

Child Safety Seat Make/Model

22Sep10 Prcnt Code Value and Description

6846	62.1	0	No child safety seat
1	0.0	141	Safe Seat Step 1 - Make: Graco
2	0.0	145	Infant Safe Seat - Make: Graco
1	0.0	146	Eddie Bauer Infant Car Seat - Make: Cosco/Dorel
3	0.0	265	Boulevard - Make: Britax
6	0.1	272	Cosco/Doral Scenera
2	0.0	285	All-in-One - Make: Safety 1st
8	0.1	325	Cosco/Doral Ambassador
3	0.0	326	Cosco/Doral Eddie Baur Deluxe 3-in-1
6	0.1	328	Cosco/Doral Highrise
16	0.1	330	Evenflo Big Kid
3	0.0	331	Britax Parkway
1	0.0	332	Cosco/Doral Traveler
1	0.0	346	Evenflo Triumph Compass B500 Folding booster
1	0.0	362	Pronto BSS - Make: Cosco/Dorel
5	0.0	506	Alpha Omega Elite - Make: Cosco/Dorel
1	0.0	507	Alpha Sport 3 Phase - Make: Safety 1st
1	0.0	510	Medallion - Make: Evenflo
2	0.0	534	Accel - Make: Century Products
1	0.0	545	Express - Make: Evenflo
7	0.1	550	High Backed Booster - Make: Cosco
1	0.0	554	Commuter - Make: Cosco
1	0.0	581	Touriva - Make: Cosco
1	0.0	586	Ventura/Vision - Make: Cosco
2	0.0	624	Booster Seat - Make: Evenflo
4	0.0	629	Discovery - Make: Evenflo
3	0.0	637	Roundabout - Make: Britax
1	0.0	654	On My Way, Position Right - Make: Evenflo
1	0.0	726	Designer 22 - Make: Cosco
1	0.0	730	Cherished CarGo - Make: Graco
1	0.0	735	Infant Seat/Carrier - Make: Graco
11	0.1	749	Snug Ride - Make: Graco
1	0.0	793	Titan - Make: Evenflo
7	0.1	795	ComfortSport - Make: Graco
3	0.0	797	Summit - Make: Cosco
1	0.0	798	Chase Comfort Touch - Make: Evenflo

Variable 890:CHILD SEAT MAKE/MODEL (Continued)

22Sep10	Prcnt	Code	Value and Description
2	0.0	799	Triumph
27	0.2	802	TurboBooster - Make: Graco
1	0.0	808	Victory 5 - Make: Evenflo
1	0.0	812	Marathon - Make: Britax
1	0.0	817	Tribute - Make: Evenflo
2	0.0	819	Vantage Point - Make: Safety 1st
5	0.0	848	KeyFit - Make: Chicco
2	0.0	852	Vantage Point - Make: Cosco/Dorel
1	0.0	853	Traditions - Make: Evenflo
1	0.0	860	Generations - Make: Evenflo
2	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
3903	35.4	996	Not collected for this occupant
0	0.0	997	Other make/model
120	1.1	998	Unknown make/model
0	0.0	999	Unknown if child safety seat used

Variable 891	CHILD SEAT TYPE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CHTYPE

Type of child safety seat

22Sep10	Prcnt	Code	Value and Description
6846	62.1	0	No child safety seat
37	0.3	1	Infant seat (ISS)
36	0.3	2	Toddler seat
55	0.5	3	Convertible seat (CSS)
105	1.0	4	Booster seat - with shield
0	0.0	5	Booster seat - without shield
0	0.0	7	Other child safety seat
45	0.4	8	Unknown child safety seat type
3903	35.4	98	Not collected for this occupant

Variable 892	CHILD SEAT ORIENTATION	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CHORIENT

Child safety seat orientation

22Sep10	Prcnt	Code	Value and Description
6846	62.1	0	No child safety seat

Variable 892:CHILD SEAT ORIENTATION (Continued)

22Sep10	Prcnt	Code	Value and Description
Designed for rear facing for this age/weight			
40	0.4	1	Rear facing
47	0.4	2	Forward facing
2	0.0	8	Other orientation
3	0.0	9	Unknown orientation
Designed for forward facing for this age/weight			
0	0.0	11	Rear facing
136	1.2	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
41	0.4	29	Unknown orientation
3903	35.4	98	Not collected for this occupant
0	0.0	99	Unknown if child safety seat used

Variable 893	CHILD SEAT HARNESS USE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CHHARNES

Child safety seat harness usage

22Sep10	Prcnt	Code	Value and Description
6846	62.1	0	No child safety seat
Not designed with harness			
97	0.9	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			
8	0.1	11	Harness not used
120	1.1	12	Harness used
2	0.0	19	Unknown if harness used
Unknown if designed with harness			
2	0.0	21	Harness not used
0	0.0	22	Harness used
48	0.4	29	Unknown if harness used
3903	35.4	98	Not collected for this occupant
0	0.0	99	Unknown if child safety seat used

<u>Variable 894</u>	<u>CHILD SEAT SHIELD USE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CHSHIELD

Child safety seat shield usage

22Sep10	Prcnt	Code	Value and Description
6846	62.1	0	No child safety seat
			Not designed with shield
97	0.9	1	After market shield added, not used
2	0.0	2	After market shield used
128	1.2	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
2	0.0	21	Shield not used
0	0.0	22	Shield used
48	0.4	29	Unknown if shield used
3903	35.4	98	Not collected for this occupant
0	0.0	99	Unknown if child safety seat used

<u>Variable 895</u>	<u>CHILD SEAT TETHER USE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - CHTETHER

Child safety seat tether usage

22Sep10	Prcnt	Code	Value and Description
6846	62.1	0	No child safety seat
			Not designed with tether
0	0.0	1	After market tether added, not used
0	0.0	2	After market tether used
131	1.2	3	Child safety seat used, but no after market tether added
1	0.0	9	Unknown if tether added or used
			Designed with tether
51	0.5	11	Tether not used
27	0.2	12	Tether used
0	0.0	19	Unknown if tether used
			Unknown if designed with tether
8	0.1	21	Tether not used

Variable 895:CHILD SEAT TETHER USE (Continued)

22Sep10	Prcnt	Code	Value and Description
0	0.0	22	Tether used
60	0.5	29	Unknown if tether used
3903	35.4	98	Not collected for this occupant
0	0.0	99	Unknown if child safety seat used

Variable 896	SEAT - LATCH ANCHOR	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - LATANCH

Latch lower anchor availability

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No
0	0.0	1	Yes
3961	35.9	8	No match from SEATLOC file
7066	64.1	9	Unknown if anchor

Variable 897	SEAT - LATCH TETHER	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - LATTETH

Latch tether availability

22Sep10	Prcnt	Code	Value and Description
0	0.0	0	No
0	0.0	1	Yes
3961	35.9	8	No match from SEATLOC file
7066	64.1	9	Unknown if tether

Variable 898	INJURY SEVERITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - INJSEV

22Sep10	Prcnt	Code	Value and Description
4335	39.3	0	O - No injury
2269	20.6	1	C - possible injury
1670	15.1	2	B - nonincapacitating injury
1937	17.6	3	A - incapacitating injury
352	3.2	4	K - fatal injury

Variable 898:INJURY SEVERITY (Continued)

22Sep10	Prcnt	Code	Value and Description
221	2.0	5	U - Injury - severity unknown
1	0.0	6	Died prior to crash
242	2.2	9	Unknown if injured

Variable 899	TREATMENT/MORTALITY	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - TREATMNT

22Sep10	Prcnt	Code	Value and Description
3119	28.3	0	No treatment
210	1.9	1	Fatal
7	0.1	2	Fatal, ruled disease
			Nonfatal
898	8.1	3	Hospitalized
2317	21.0	4	Transported and released
67	0.6	5	Treatment at scene - nontransported
260	2.4	6	Treatment later
5	0.0	7	Treatment - other
113	1.0	8	Transported to a medical facility - unknown if treated
3903	35.4	98	Not collected for this occupant
128	1.2	99	Unknown

Variable 900	TYPE OF MEDICAL FACILITY	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MEDFACIL

22Sep10	Prcnt	Code	Value and Description
3328	30.2	0	Not treated at a medical facility
1993	18.1	1	Trauma center
1400	12.7	2	Hospital
3	0.0	3	Medical clinic
2	0.0	4	Physician's office
260	2.4	5	Treatment later at medical facility
3903	35.4	7	Not collected for this occupant
2	0.0	8	Other
136	1.2	9	Unknown

<u>Variable 901</u>	<u>HOSPITAL STAY</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - HOSPSTAY

22Sep10	Prcnt	Code	Value and Description
5964	54.1	0	Not hospitalized
251	2.3	1	- Actual number of days that the occupant stayed in hospital
1	0.0	60	
4	0.0	61	61 days or more
3903	35.4	98	Not collected for this occupant
263	2.4	99	Unknown

<u>Variable 902</u>	<u>WORKING DAYS LOST</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - WORKDAYS

22Sep10	Prcnt	Code	Value and Description
1926	17.5	0	No working days lost
298	2.7	1	- Actual number of days that the occupant lost from work due to the crash
3	0.0	60	
0	0.0	61	61 days or more
217	2.0	62	Fatally injured
2142	19.4	97	Not working prior to crash
3903	35.4	98	Not collected for this occupant
1891	17.1	99	Unknown

<u>Variable 903</u>	<u>TIME TO DEATH</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - DEATH

22Sep10	Prcnt	Code	Value and Description
6907	62.6	0	Not fatal
			Time in Hours
70	0.6	1	Less than 1 and 1/2 hours from the time of the crash
12	0.1	2	- Actual time to nearest hour
1	0.0	23	
1	0.0	24	From 23 1/2 to 24 hours after the crash
			Time in Days
2	0.0	31	

Variable 903:TIME TO DEATH (Continued)

22Sep10	Prcnt	Code	Value and Description
		-	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 crash
7	0.1	96	Fatal, ruled disease
3903	35.4	98	Not collected for this occupant
95	0.9	99	Unknown

Variable 904	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)

22Sep10	Prcnt	Code	Value and Description
6907	62.6	0	Not fatal or no additional causes
71	0.6	1	
		-	Injury number
1	0.0	25	
8	0.1	96	Mode of death given but specific injuries are not linked to cause of death
7	0.1	97	Other result (includes fatal ruled disease)
3903	35.4	98	Not collected for this occupant
64	0.6	99	Unknown

Variable 905	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)

22Sep10	Prcnt	Code	Value and Description
7012	63.6	0	Not fatal or no additional causes
6	0.1	1	
		-	Injury number
1	0.0	27	
3903	35.4	98	Not collected for this occupant

Variable 906	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)

22Sep10	Prcnt	Code	Value and Description
7041	63.9	0	Not fatal or no additional causes
2	0.0	1	- Injury number
1	0.0	25	
3903	35.4	98	Not collected for this occupant

Variable 907	NUM RECORDED INJURIES	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INJNUM

Number of recorded injuries

22Sep10	Prcnt	Code	Value and Description
3037	27.5	0	No recorded injuries
939	8.5	1	- Actual number of injuries recorded for this occupant
1	0.0	40	
207	1.9	97	Injured, details unknown
3903	35.4	98	Not collected for this occupant
117	1.1	99	Unknown if injured

Variable 908	GLASGOW COMA SCALE SCORE	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - GLASGOW

Glasgow Coma Scale (GCS) Score

22Sep10	Prcnt	Code	Value and Description
3037	27.5	0	Not injured
644	5.8	1	Injured - not treated at medical facility
597	5.4	2	No GCS score at medical facility
68	0.6	3	- Actual value of the initial GCS score recorded at medical facility
2281	20.7	15	
207	1.9	97	Injured, details unknown
3903	35.4	98	Not collected for this occupant
117	1.1	99	Unknown if injured

<u>Variable 909</u>	<u>WAS OCCUPANT GIVEN BLOOD</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - BLOOD

22Sep10	Prcnt	Code	Value and Description
6489	58.8	1	No - blood not given
139	1.3	2	Yes - blood given (specify units)
3903	35.4	8	Not collected for this occupant
496	4.5	9	Unknown if blood given

<u>Variable 910</u>	<u>ARTERIAL BLOOD GASES</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - BICARB

Arterial blood gases (ABG) - HCO3

22Sep10	Prcnt	Code	Value and Description
3037	27.5	0	Not injured
3469	31.5	1	Injured - ABGs not measured or reported
1	0.0	5	-
			Actual value of HCO3
1	0.0	33	
22	0.2	96	ABGs reported, HCO3 unknown
207	1.9	97	Injured, details unknown
3903	35.4	98	Not collected for this occupant
117	1.1	99	Unknown if injured

<u>Variable 911</u>	<u>MAXIMUM KNOWN AIS</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - MAIS

22Sep10	Prcnt	Code	Value and Description
3037	27.5	0	Not injured
2544	23.1	1	Minor injury
476	4.3	2	Moderate injury
396	3.6	3	Serious injury
166	1.5	4	Severe injury
121	1.1	5	Critical injury
47	0.4	6	Maximum (untreatable) injury
220	2.0	7	Injured, unknown severity
3903	35.4	8	Not collected for this occupant
117	1.1	9	Unknown if injured

<u>Variable 912</u>	<u>INJURY SEVERITY SCORE</u>	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - ISS

Injury Severity Score (ISS)

22Sep10	Prcnt	Code	Value and Description
3374	30.6	0	Not injured
1679	15.2	1	ISS 1
		-	
47	0.4	75	Maximum ISS
3903	35.4	98	Not collected for this occupant
0	0.0	99	Unknown ISS

<u>Variable 913</u>	<u>FETAL DEATH</u>	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - FETALDOA

Indication that this pregnant occupant lost the fetus

22Sep10	Prcnt	Code	Value and Description
4	0.0	1	Yes, lost fetus
71	0.6	2	No or unknown
10952	99.3	8	Not applicable

The OCCUPANT INJURY Variables

Variables 1001 through 1021 describe the injuries received by sampled vehicle occupants involved in the crash. Vehicles with BODY TYPE greater than 49 have no injury records.

Variable 1001	PSU NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - PSU

22Sep10	Prcnt	Code	Value and Description
481	2.8	2	
		-	PSU Number
370	2.2	82	

Variable 1002	CASE NUMBER	Width: 4	Type: Alphabetic
		Dec: None	Miss: None

NHTSA SAS Variable - CASEID

Variable 1003	RECORD NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variables Casekey 4 and Casekey 5

22Sep10	Prcnt	Code	Value and Description
17173	100.0	10	Occupant injury record

Variable 1004	VERSION NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VERSION

22Sep10	Prcnt	Code	Value and Description
17173	100.0	22	Version 22

Variable 1005	VEHICLE NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - VEHNUM

22Sep10	Prcnt	Code	Value and Description
11786	68.6	1	Vehicle #1
5049	29.4	2	Vehicle #2
310	1.8	3	Vehicle #3
19	0.1	4	Vehicle #4
9	0.1	5	Vehicle #5

Variable 1006	OCCUPANT NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - OCCNO

22Sep10	Prcnt	Code	Value and Description
12404	72.2	1	
		-	Occupant number
4	0.0	10	

Variable 1007	INJURY NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - INJNO

22Sep10	Prcnt	Code	Value and Description
3763	21.9	1	
		-	Injury number
1	0.0	40	

Variable 1008	INJURY DATA SOURCE	Width: 2	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - SOUDAT

22Sep10	Prcnt	Code	Value and Description
			Official Sources
3939	22.9	2	Hospital/medical records other than emergency room (e.g., discharge summary)
7841	45.7	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 1008:INJURY DATA SOURCE (Continued)

22Sep10	Prcnt	Code	Value and Description
Unofficial Sources			
0	0.0	5	Lay coroner report
125	0.7	6	E.M.S. personnel
2606	15.2	7	Interviewee
4	0.0	8	Other source
20	0.1	9	Police
1999	11.6	16	Autopsy - Internal
639	3.7	17	Autopsy - External Only

Variable 1009	BODY REGION - AIS90	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - REGION90

22Sep10	Prcnt	Code	Value and Description
2202	12.8	1	Head
2538	14.8	2	Face
252	1.5	3	Neck
1964	11.4	4	Thorax
1013	5.9	5	Abdomen
1939	11.3	6	Spine
3264	19.0	7	Upper Extremity
3883	22.6	8	Lower Extremity
118	0.7	9	Unspecified

Variable 1010	ASPECT - AIS90	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - ASPECT90

22Sep10	Prcnt	Code	Value and Description
855	5.0	0	Whole region
4414	25.7	1	Right
4939	28.8	2	Left
1259	7.3	3	Bilateral
775	4.5	4	Central
376	2.2	5	Anterior/front/ventral
1264	7.4	6	Posterior/back/dorsal
1082	6.3	7	Superior/upper
1321	7.7	8	Inferior/lower
888	5.2	9	Unknown

<u>Variable 1011</u>	<u>TYPE OF ANATOMIC STRUCT</u>	Width: 1	Type: Numeric
		Dec: None	Miss: None

NHTSA SAS Variable - STRUTYPE

22Sep10 Prcnt Code Value and Description

Type of Anatomic Structure - AIS90		
104	0.6	1 Whole Area
78	0.5	2 Vessels
33	0.2	3 Nerves
2696	15.7	4 Organs (includes muscles/ligaments)
3563	20.7	5 Skeletal (includes joints)
513	3.0	6 Head - LOC (Level of Consciousness)
10186	59.3	9 Skin

<u>Variable 1012</u>	<u>SPECIFIC ANATOMIC STRUCT</u>	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:

22Sep10 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 1013	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

22Sep10 Prcnt Code Value and Description

1026	6.0	0	- Injury Level
173	1.0	99	

Variable 1014	AIS SEVERITY	Width: 1	Type: Numeric
		Dec: None	Miss: 7

NHTSA SAS Variable - AIS

22Sep10 Prcnt Code Value and Description

12303	71.6	1	Minor injury
2480	14.4	2	Moderate injury
1556	9.1	3	Serious injury
467	2.7	4	Severe injury
238	1.4	5	Critical injury
56	0.3	6	Maximum (untreatable)
73	0.4	7	Injured, unknown severity

Variable 1015	INJURY SOURCE	Width: 3	Type: Numeric
		Dec: None	Miss: 697

NHTSA SAS Variable - INJSOU

22Sep10 Prcnt Code Value and Description

Front			
346	2.0	1	Windshield
125	0.7	2	Mirror
55	0.3	3	Sunvisor
592	3.4	4	Steering wheel rim
59	0.3	5	Steering wheel hub/spoke
739	4.3	6	Steering wheel (combination of rim, hub/spoke)
57	0.3	7	Steering column, transmission selector lever, other attachment
1	0.0	8	Cellular telephone or CB radio
0	0.0	9	Add-on equipment (e.g., tape deck, air conditioner)
192	1.1	13	Glove compartment door
17	0.1	15	Windshield + 1 or more from: front header,A-pillar (A1/A2),instr panel,mirror,steering assembly-driver side
9	0.1	16	Windshield + 1 or more from: front header,A-pillar (A1/A2),instr panel,mirror,-passenger side

Variable 1015:INJURY SOURCE (Continued)

22Sep10	Prcnt	Code	Value and Description
25	0.1	17	Windshield reinforced by exterior object
0	0.0	19	Other front object
48	0.3	20	Sunvisor reinforced by exterior object
213	1.2	21	Left instrument panel
229	1.3	22	Center instrument panel
142	0.8	23	Right instrument panel
1207	7.0	24	Left lower instrument panel (includes knee bolster)
186	1.1	25	Center lower instrument panel (includes knee bolster)
90	0.5	26	Right lower instrument panel (includes knee bolster)
Left Side			
186	1.1	53	Left A-pillar (A1/A2)
268	1.6	54	Left B-pillar
8	0.0	55	Other left pillar
53	0.3	56	Left side window glass
50	0.3	57	Left side window frame
3	0.0	58	Left side window sill
0	0.0	59	Left side window glass + 1 or more from: frame,window sill,A-pillar (A1/A2),B-pillar,roof side rail
0	0.0	60	Left side glass (laminated) reinforced by exterior object (specify)
0	0.0	61	Other left side object (specify):
13	0.1	62	Left side panel forward of A1/A2 pillar
20	0.1	63	Left side panel rear of the B-pillar
Left Door Panel			
226	1.3	73	Left forward upper quadrant
94	0.5	74	Left forward lower quadrant
277	1.6	75	Left rear upper quadrant
105	0.6	76	Left rear lower quadrant
25	0.1	77	Left hardware/armrest forward upper quadrant
20	0.1	78	Left hardware/armrest forward lower quadrant
44	0.3	79	Left hardware/armrest rear upper quadrant
197	1.1	80	Left hardware/armrest rear lower quadrant
Right Side			
42	0.2	103	Right A-pillar (A1/A2)
251	1.5	104	Right B-pillar
17	0.1	105	Other right pillar
11	0.1	106	Right side window glass
10	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
7	0.0	110	Right side glass
0	0.0	111	Other right side object
11	0.1	112	Right side panel forward of A1/A2 pillar
12	0.1	113	Right side panel rear of the B-pillar
Right Door Panel			
126	0.7	121	Right forward upper quadrant
46	0.3	122	Right forward lower quadrant

Variable 1015:INJURY SOURCE (Continued)

22Sep10	Prcnt	Code	Value and Description
195	1.1	123	Right rear upper quadrant
80	0.5	124	Right rear lower quadrant
8	0.0	125	Right hardware/armrest forward upper quadrant
29	0.2	126	Right hardware/armrest forward lower quadrant
20	0.1	127	Right hardware/armrest rear upper quadrant
105	0.6	128	Right hardware/armrest rear lower quadrant
Interior			
826	4.8	151	Seat, back support
2429	14.1	152	Belt restraint webbing/buckle
53	0.3	153	Belt restraint B pillar or door frame attachment point
0	0.0	154	Other restraint system component
204	1.2	155	Head restraint system
224	1.3	160	Other occupants
44	0.3	161	Interior loose objects
83	0.5	163	Other interior object
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			
676	3.9	170	Air bag - driver side
57	0.3	171	Air bag - driver side and eyewear
3	0.0	172	Air bag - driver side and jewelry
1	0.0	173	Air bag - driver side and object held
0	0.0	174	Air bag - driver side and object in mouth
16	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
177	1.0	180	Air bag - passenger side
4	0.0	181	Air bag - passenger side and eyewear
0	0.0	182	Air bag - passenger side and jewelry
5	0.0	183	Air bag - passenger side and object held
0	0.0	184	Air bag - passenger side and object in mouth
0	0.0	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
118	0.7	190	Other air bag
3	0.0	195	Other air bag compartment cover
Roof			
117	0.7	201	Front header

Variable 1015:INJURY SOURCE (Continued)

22Sep10	Prcnt	Code	Value and Description
6	0.0	202	Rear header
177	1.0	203	Roof left side rail
106	0.6	204	Roof right side rail
505	2.9	205	Roof or convertible top
23	0.1	206	Roof maplight/console
25	0.1	207	Sunroof/components
0	0.0	208	Roll-bar
			Floor
407	2.4	251	Floor including toe pan
353	2.1	252	Floor or console-mounted transmission lever (including console)
3	0.0	253	Parking brake handle
283	1.6	254	Foot controls (including parking brake)
			Child Safety Seat
69	0.4	271	Child safety seat shell, (ie, shell interior, exterior, base, cup holder, padding, head restraint, handle)
20	0.1	272	Child safety seat harness system, (ie, harness system straps, retainer clip, t-shield, tray-shield, shield, latchplate, buckle
0	0.0	273	Unknown child safety seat component
			Rear
0	0.0	301	Backlight (rear window)
0	0.0	302	Backlight storage rack, door, etc.
1	0.0	303	Other rear object
			Air bag
0	0.0	320	Air bag
0	0.0	321	Air bag and eyewear
0	0.0	322	Air bag and jewelry
0	0.0	323	Air bag and object held
0	0.0	324	Air bag and object in mouth
0	0.0	325	Air bag compartment cover
0	0.0	326	Air bag compartment cover and eyewear
0	0.0	327	Air bag compartment cover and jewelry
0	0.0	328	Air bag compartment cover and object held
0	0.0	329	Air bag compartment cover and object in mouth
			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)
1	0.0	403	Steering knob attached to steering wheel
0	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)

Variable 1015:INJURY SOURCE (Continued)

22Sep10	Prcnt	Code	Value and Description
0	0.0	412	Other adaptive device (specify)
			Exterior of Occupant's Vehicle
6	0.0	451	Hood
6	0.0	452	Outside hardware (outside mirror, antenna)
78	0.5	453	Other exterior surface or tires
17	0.1	454	Unknown exterior objects
			Exterior of Other Motor Vehicle
0	0.0	501	Front bumper
43	0.3	502	Hood edge
64	0.4	503	Other front of vehicle
19	0.1	504	Hood
0	0.0	505	Hood ornament
0	0.0	506	Windshield, roof rail, A-pillar
0	0.0	507	Side surface
0	0.0	508	Side mirrors
0	0.0	509	Other side protrusions
55	0.3	510	Rear surface
0	0.0	511	Undercarriage
1	0.0	512	Tires and wheels
12	0.1	513	Other exterior of other motor vehicle
43	0.3	514	Unknown exterior of other motor vehicle
			Other Vehicle or Object in the Environment
770	4.5	551	Ground
46	0.3	570	Same occupant contact (specify)
0	0.0	571	Interior loose object
0	0.0	572	Seat latch points for child restraint
65	0.4	573	Grab handles
0	0.0	574	Engine shroud/cover
0	0.0	575	Seatback trays
0	0.0	576	Cargo in vehicle
240	1.4	598	Other object (tree, pole, traffic barrier (includes: jersey barrier, guardrail, etc.))
0	0.0	599	Unknown vehicle or object
			Noncontact Injury
14	0.1	601	Fire in vehicle
308	1.8	602	Flying glass
560	3.3	603	Other noncontact injury source
41	0.2	604	Air bag exhaust gases
875	5.1	697	Injured, unknown source

Variable 1016	CONFIDENCE LEVEL	Width: 1	Type: Numeric
		Dec: None	Miss: 9

NHTSA SAS Variable - SOUCON

Injury source confidence level

22Sep10	Prcnt	Code	Value and Description
3162	18.4	1	Certain
10006	58.3	2	Probable
3130	18.2	3	Possible
875	5.1	9	Unknown

Variable 1017	DIRECT/INDIRECT INJURY	Width: 1	Type: Numeric
		Dec: None	Miss: 7

NHTSA SAS Variable - DIRINJ

22Sep10	Prcnt	Code	Value and Description
14262	83.0	1	Direct contact injury
1113	6.5	2	Indirect contact injury
923	5.4	3	Noncontact injury
875	5.1	7	Injured, unknown source

Variable 1018	INTRUSION NUMBER	Width: 2	Type: Numeric
		Dec: None	Miss: 99

NHTSA SAS Variable - INTRUNO

Occupant area intrusion number

22Sep10	Prcnt	Code	Value and Description
12577	73.2	0	No intrusion or injury not associated with a documented intrusion
597	3.5	1	- Intrusion number
108	0.6	10	
587	3.4	97	Injury associated with a noncoded intrusion
1513	8.8	99	Unknown

Variable 1019	OIC - BODY REGION	Width: 2	Type: Numeric
		Dec: None	Miss: 21

NHTSA SAS Variable - BODYREG

OIC Body Region - AIS-85

Variable 1019:OIC - BODY REGION (Continued)

22Sep10	Prcnt	Code	Value and Description
82	0.5	1	A - Arm (upper)
944	5.5	2	B - Back - thoracolumbar spine
1949	11.3	3	C - Chest
25	0.1	5	E - Elbow
2533	14.7	6	F - Face
2207	12.9	8	H - Head - skull
138	0.8	11	K - Knee
250	1.5	12	L - Leg (lower)
1031	6.0	13	M - Abdomen
1247	7.3	14	N - Neck - cervical spine
305	1.8	16	P - Pelvis - hip
369	2.1	17	Q - Ankle - foot
204	1.2	18	R - Forearm
254	1.5	19	S - Shoulder
169	1.0	20	T - Thigh
115	0.7	21	U - Injured, unknown region
194	1.1	23	W - Wrist - hand
2505	14.6	24	X - Upper limb(s) (whole or unknown part)
2652	15.4	25	Y - Lower limb(s) (whole or unknown part)

Variable 1020	OIC - LESION	Width: 2	Type: Numeric
		Dec: None	Miss: 21

NHTSA SAS Variable - LESION

OIC Lesion - AIS-85

22Sep10	Prcnt	Code	Value and Description
3270	19.0	1	A - Abrasion
58	0.3	2	B - Burn
5762	33.6	3	C - Contusion
214	1.2	4	D - Dislocation
9	0.1	5	E - Total severance, transection
2927	17.0	6	F - Fracture
26	0.2	7	G - Detachment, separation
513	3.0	11	K - Concussion
2155	12.5	12	L - Laceration
17	0.1	13	M - Amputation
19	0.1	14	N - Crush
8	0.0	15	O - Other
20	0.1	18	R - Rupture
294	1.7	19	S - Sprain
1101	6.4	20	T - Strain
694	4.0	21	U - Injured, unknown lesion
86	0.5	22	V - Avulsion

Variable 1021	OIC - SYSTEM ORGAN	Width: 2	Type: Numeric
		Dec: None	Miss: 21

NHTSA SAS Variable - SYSORG

OIC System Organ - AIS-85

22Sep10	Prcnt	Code	Value and Description
78	0.5	1	A - Arteries - veins
1124	6.5	2	B - Brain
56	0.3	3	C - Spinal cord
130	0.8	4	D - Digestive
3	0.0	5	E - Ears
27	0.2	7	G - Urogenital
55	0.3	8	H - Heart
10186	59.3	9	I - Integumentary
530	3.1	10	J - Joints
44	0.3	11	K - Kidneys
122	0.7	12	L - Liver
1181	6.9	13	M - Muscles
33	0.2	14	N - Nervous system
58	0.3	15	O - Eye
235	1.4	16	P - Pulmonary - lungs
90	0.5	17	Q - Spleen
31	0.2	18	R - Respiratory
2987	17.4	19	S - Skeletal
13	0.1	20	T - Thyroid, other endocrine gland
118	0.7	21	U - Injured, unknown system
36	0.2	22	V - Vertebrae
36	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	1009	5	Abdomen
abdomen	1019	13	M - Abdomen
abgs	910	1	Injured - ABGs not measured or reported
abnormal	815	8	Other abnormal posture
abraded	558	6	Abraded (scraped)
abraded	559	6	Abraded (scraped)
abraded	850	7	Abraded
abrasion	1020	1	A - Abrasion
abs	340	4	ABS standard, wheels unknown
absorption	372	*	ENERGY ABSORPTION
accelerating	382	3	Accelerating in traffic lane
accelerating	386	10	Accelerating
acceleration	1015	401	Hand controls for braking/acceleration
access	383	74	From entrance to limited access highway
access	387	3	Driveway, alley access related/noninterc
across	383	66	From crossing street, across path
across	815	2	Lying on or across seat
action	386	98	Other action
active	338	1	A - Active (manual) belts
active	883	*	HEAD RESTRAINT ACTIVE
actuated	826	1	Pretensioner not actuated
acura	307	54	Acura
adaptive	753	*	ADAPTIVE TECHNOLOGY
adaptive	851	4	Adaptive/assistive controls (specify)
adaptive	1015	412	Other adaptive device (specify)
add-on	882	5	Add-on - no damage
add-on	1015	9	Add-on equipment (e.g., tape deck, air c
adjustable	825	9	Unknown if position has adjustable shoul
adjustable	882	3	Adjustable - no damage
adjuster	828	1	Buckle Buddy - shoulder belt adjuster
adjuster	888	2	Seat adjusters failed
adjusting	381	7	While adjusting climate controls
adjustment	825	1	No upper anchorage adjustment for manual
age	807	*	AGE
air	338	2	B - Driver front air bag / passenger sid
air	836	*	AIR BAG AVAIL/FUN POLICE
air	837	*	AIR BAG AVAIL/FUNCTION
air	838	*	AIR BAG DEPLOYMENT
air	839	1	Air bag
air	840	*	AIR BAG DEPLOY/OTHER
air	841	*	AIR BAG SYSTEM FAILURE
air	843	*	AIR BAG TYPE
air	844	*	AIR BAG MAINTENANCE
air	845	*	AIR BAG EVENT NUMBER
air	846	*	CDC OF AIR BAG DEPLOY
air	855	2	Retrofitted air bag
air	862	2	Retrofitted air bag
air	869	2	Retrofitted air bag
air	876	2	Retrofitted air bag
air	881	0	Not air bag equipped/not available
air	1015	9	Add-on equipment (e.g., tape deck, air c
air bag	839	*	AB AVAIL/OTHER
air bag	842	*	AB DEPLOY/PREVIOUS CRASH
air bag	847	*	AB ASSOC LONG DELTA-V

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
air bag	848	*	AB FLAPS OPEN CORRECTLY
air bag	849	*	AB FLAPS DAMAGED
air bag	850	*	AB DAMAGED
air bag	851	*	AB DAMAGE SOURCE
airbag	852	*	AIRBAG LOCATION (1)
airbag	853	*	AIRBAG MAINTENANCE (1)
airbag	854	*	AIRBAG NUMBER (1)
airbag	855	*	AIRBAG TYPE (1)
airbag	856	*	AIRBAG PREVIOUS CRASH(1)
airbag	857	*	AIRBAG SWITCH TYPE (1)
airbag	858	*	AIRBAG SWITCH SETTING(1)
airbag	859	*	AIRBAG LOCATION (2)
airbag	860	*	AIRBAG MAINTENANCE (2)
airbag	861	*	AIRBAG NUMBER (2)
airbag	862	*	AIRBAG TYPE (2)
airbag	863	*	AIRBAG PREVIOUS CRASH(2)
airbag	864	*	AIRBAG SWITCH TYPE (2)
airbag	865	*	AIRBAG SWITCH SETTING(2)
airbag	866	*	AIRBAG LOCATION (3)
airbag	867	*	AIRBAG MAINTENANCE (3)
airbag	868	*	AIRBAG NUMBER (3)
airbag	869	*	AIRBAG TYPE (3)
airbag	870	*	AIRBAG PREVIOUS CRASH(3)
airbag	871	*	AIRBAG SWITCH TYPE (3)
airbag	872	*	AIRBAG SWITCH SETTING(3)
airbag	873	*	AIRBAG LOCATION (4)
airbag	874	*	AIRBAG MAINTENANCE (4)
airbag	875	*	AIRBAG NUMBER (4)
airbag	876	*	AIRBAG TYPE (4)
airbag	877	*	AIRBAG PREVIOUS CRASH(4)
airbag	878	*	AIRBAG SWITCH TYPE (4)
airbag	879	*	AIRBAG SWITCH SETTING(4)
ais	112	*	MAXIMUM KNOWN AIS
ais	407	*	MAXIMUM KNOWN AIS
ais	911	*	MAXIMUM KNOWN AIS
ais	1014	*	AIS SEVERITY
ais90	1009	*	BODY REGION - AIS90
ais90	1010	*	ASPECT - AIS90
alcohol	115	*	ALCOHOL INVOLVEMENT
alcohol	399	*	ALCOHOL PRESENCE
alcohol	400	*	ALCOHOL TEST RESULT
alfa romeo	307	31	Alfa Romeo
algorithm	367	3	Missing vehicle algorithm
algorithm	377	998	Trajectory algorithm
alignment	390	*	ROADWAY ALIGNMENT
alley	387	3	Driveway, alley access related/noninterc
am general	307	3	AM General
ambulance	309	11	Auto based panel (cargo station wagon, a
ambulance	349	6	Ambulance
ambulance	354	11	Auto based panel (cargo station wagon, i
american	308	+	Rambler/American
american indian or alask	404	5	American Indian or Alaska Native
american indian, alaskan	811	5	American Indian, Alaskan Native
american motors	307	1	American Motors
amputation	1020	13	M - Amputation
anatomic	1011	*	TYPE OF ANATOMIC STRUCT
anatomic	1012	*	SPECIFIC ANATOMIC STRUCT

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
anchor	825	*	SHOULDER BELT ANCHOR ADJ
anchor	888	4	Seat track/anchors failed
anchor	896	*	SEAT - LATCH ANCHOR
anchorage	824	4	Upper anchorage separated
anchorage	825	1	No upper anchorage adjustment for manual
angle	118	4	Angle
angle	364	*	HEADING ANGLE - THIS VEH
angle	365	*	HEADING ANGLE - OTH VEH
animal	209	76	Animal
animal	358	76	Animal
animal	383	87	Animal in roadway
animal	507	76	Animal
animal	519	76	Animal
ankle	1019	17	Q - Ankle - foot
antenna	1015	452	Outside hardware (outside mirror, antenn
anterior	1010	5	Anterior/front/ventral
antilock	340	*	VIN 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)
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	1015	15	Windshield + 1 or more from: front heade
april	106	4	April
arm	1019	1	A - Arm (upper)
armrest	1015	77	Left hardware/armrest forward upper quad
arrow	309	30	Compact pickup (Ram 50, Dakota, Arrow Pi
arrow	354	30	Compact pickup (Ram 50, Dakota, Arrow Pi
arterial	910	*	ARTERIAL BLOOD GASES
arteries	1021	1	A - Arteries - veins
as-6	633	15	AS-6 - Flexible plastic safety glazing
as-6	634	15	AS-6 - Flexible plastic safety glazing
as-6	635	15	AS-6 - Flexible plastic safety glazing
as-6	636	15	AS-6 - Flexible plastic safety glazing
as-6	637	15	AS-6 - Flexible plastic safety glazing
as-6	638	15	AS-6 - Flexible plastic safety glazing
as-6	639	15	AS-6 - Flexible plastic safety glazing
as-6	640	15	AS-6 - Flexible plastic safety glazing
asian	404	3	Asian
asian	811	3	Asian
asleep	381	11	Sleepy or fell asleep
aspect	1010	*	ASPECT - AIS90
asphalt	392	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

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
assembly	743	1	Steering assembly
assessment	803	9	Occupant assessment record
assistance	821	3	Exited from vehicle with some assistance
assistive	851	4	Adaptive/assistive controls (specify)
associated	847	*	AB ASSOC LONG DELTA-V
associated	1008	3	Emergency room records only (including a
associated	1018	0	No intrusion or injury not associated wi
atc	309	90	ATV (all terrain vehicle) and ATC (all t
atc	354	90	ATV (all terrain vehicle including dune/
atmospheric	395	*	ATMOSPHERIC CONDITIONS
attachment	1015	7	Steering column, transmission selector 1
attempted	386	*	ATTEMPTED AVOID MANEUVER
attentive	381	1	Attentive or not distracted
attenuator	209	55	Impact attenuator
attenuator	358	55	Impact attenuator
attenuator	507	55	Impact attenuator
attenuator	519	55	Impact attenuator
atv	309	90	ATV (all terrain vehicle) and ATC (all t
atv	354	90	ATV (all terrain vehicle including dune/
audi	307	32	Audi
august	106	8	August
austin/austin healey	307	33	Austin/Austin Healey
auto	309	10	Auto based pickup (includes El Camino, C
auto	354	10	Auto based pickup (includes El Camino, C
auto	830	*	AUTO RESTRAINT AVAILABLE
auto	831	*	AUTO (PASSIV) SYSTEM USE
auto	832	*	AUTO BELT SYSTEM TYPE
auto	833	*	AUTO BELT FAILURE MODES
automatic	338	16	P - Passive (automatic) belts
automatic	830	1	2 point automatic belts
automatic	831	1	Automatic belt in use
automatic	834	7	Automatic belt
automatic	858	0	Switch on/automatic
automatic	865	0	Switch on/automatic
automatic	872	0	Switch on/automatic
automatic	879	0	Switch on/automatic
automobile	309	8	Other automobile type
automobile	354	8	Other automobile type
autopsy	1008	1	Autopsy records with or without hospital
avoid	386	*	ATTEMPTED AVOID MANEUVER
avoidance	382	17	Successful avoidance maneuver to a previ
avoidance	386	1	No avoidance maneuver
avulsion	1020	22	V - Avulsion
axis	360	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
bac	400	97	BAC test performed, results unknown
backing	382	13	Backing up (other than for parking posit
backing	383	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

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	1015	301	Backlight (rear window)
bag	338	2	B - Driver front air bag / passenger sid
bag	836	*	AIR BAG AVAIL/FUN POLICE
bag	837	*	AIR BAG AVAIL/FUNCTION
bag	838	*	AIR BAG DEPLOYMENT
bag	839	1	Air bag
bag	840	*	AIR BAG DEPLOY/OTHER
bag	841	*	AIR BAG SYSTEM FAILURE
bag	843	*	AIR BAG TYPE
bag	844	*	AIR BAG MAINTENANCE
bag	845	*	AIR BAG EVENT NUMBER
bag	846	*	CDC OF AIR BAG DEPLOY
bag	855	2	Retrofitted air bag
bag	862	2	Retrofitted air bag
bag	869	2	Retrofitted air bag
bag	876	2	Retrofitted air bag
bag	881	0	Not air bag equipped/not available
bag	1015	170	Air bag - driver side
barrel	341	2	B - Higher HP, 1 barrel carburetor
barrier	209	47	Cable barrier guardrail
barrier	358	47	Cable barrier guardrail
barrier	373	*	BARRIER EQUIVALENT SPEED
barrier	388	1	Divided trafficway-median strip without
barrier	507	47	Cable barrier guardrail
barrier	519	47	Cable barrier guardrail
barrier	1015	598	Other object (tree, pole, traffic barrie
basis	367	*	BASIS FOR TOTAL DELTA-V
battery	562	12	Nickel-Cadmium battery
battery	563	12	Nickel-Cadmium battery
behind	1015	411	Wall mounted head rest (used behind whee
below	370	-160	-159.5 kmph and below
below	371	-160	-159.5 kmph and below
belt	338	1	A - Active (manual) belts
belt	822	*	MANUAL BELT AVAILABILITY
belt	823	*	MANUAL BELT USE
belt	824	*	MANUAL BELT MALFUNCTION
belt	825	*	SHOULDER BELT ANCHOR ADJ
belt	826	*	MANUAL BELT PRETENSIONER
belt	827	*	MANUAL BELT HISTORY
belt	828	*	BELT POSITIONING DEVICE
belt	829	*	SEAT - INTEGRATED BELTS
belt	830	1	2 point automatic belts
belt	831	1	Automatic belt in use
belt	832	*	AUTO BELT SYSTEM TYPE
belt	833	*	AUTO BELT FAILURE MODES
belt	834	1	Police did not indicate belt use
belt	835	*	BELT USE DETERMINATION
belt	1015	152	Belt restraint webbing/buckle

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
belt-a-way	828	3	Belt-A-Way - shoulder belt adjuster
bench	884	3	Bench
bicycle	309	81	Moped (motorized bicycle)
bicycle	354	81	Moped (motorized bicycle)
bilateral	1010	3	Bilateral
bituminous	392	2	Bituminous (asphalt)
black	811	2	Black
black or african america	404	2	Black or African American
block	392	3	Brick or block
blood	909	*	WAS OCCUPANT GIVEN BLOOD
blood	910	*	ARTERIAL BLOOD GASES
blow	383	1	Blow out/flat tire
blowing	395	15	Blowing snow
bmw	307	34	BMW
bobtail	207	67	Bobtail tractor
bobtail	210	67	Bobtail tractor
body	309	*	BODY TYPE
body	327	*	VIN BODY TYPE
body	354	*	BODY TYPE - OTHER VEH
body	1009	*	BODY REGION - AIS90
body	1019	*	OIC - BODY REGION
bolster	1015	24	Left lower instrument panel (includes kn
booster	891	4	Booster seat - with shield
borderline	366	4	Borderline reconstruction
bottom	852	4	Bottom instrument panel
bottom	859	4	Bottom instrument panel
bottom	866	4	Bottom instrument panel
bottom	873	4	Bottom instrument panel
bounce-over	356	6	Bounce-over
box	884	9	Box mounted seat (i.e., van type)
b-pillar	707	7	B-pillar
b-pillar	711	7	B-pillar
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	1015	54	Left B-pillar
bracing	815	7	Bracing with feet or hands on a surface
brain	1021	2	B - Brain
brake	340	*	VIN ANTILOCK BRAKES
brake	386	5	Releasing brakes
brake	1015	253	Parking brake handle
braking	386	2	Braking (no lockup)
braking	1015	401	Hand controls for braking/acceleration
brat	309	10	Auto based pickup (includes El Camino, C
brat	354	10	Auto based pickup (includes El Camino, C
breakaway	209	45	Breakaway pole or post (any diameter)
breakaway	358	45	Breakaway pole or post (any diameter)
breakaway	507	45	Breakaway pole or post (any diameter)
breakaway	519	45	Breakaway pole or post (any diameter)
brick	392	3	Brick or block
bridge	209	64	Bridge
bridge	358	64	Bridge

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
bridge	507	64	Bridge
bridge	519	64	Bridge
brockway	307	80	Brockway
broken	824	3	Broken buckle or latchplate
brought	381	10	While using or reaching for device/object
bsa	307	70	BSA
bucket	884	1	Bucket
buckle	824	3	Broken buckle or latchplate
buckle	826	6	Buckle type actuated
buckle	828	1	Buckle Buddy - shoulder belt adjuster
buckle	1015	152	Belt restraint webbing/buckle
buddy	828	1	Buckle Buddy - shoulder belt adjuster
buggy	354	90	ATV (all terrain vehicle including dune/
buick	307	18	Buick
building	209	59	Building
building	358	59	Building
building	507	59	Building
building	519	59	Building
bumper	1015	501	Front bumper
burn	851	6	Thermal burns
burn	1020	2	B - Burn
burned	850	6	Burned
bus	207	24	Van based school bus (<= 4,536 kgs GVWR)
bus	210	24	Van based school bus (<= 4,536 kgs GVWR)
bus	309	24	Van based school bus (<= 4,536 kgs GVWR)
bus	349	2	Vehicle used as school bus
bus	351	0	No override/underride, or not an end-over
bus	352	0	No override/underride, or not end-over-e
bus	354	24	Van based school bus (< 4,536 kgs GVWR)
bus	358	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	358	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	354	40	Cab chassis based (includes rescue vehic
cable	209	47	Cable barrier guardrail
cable	358	47	Cable barrier guardrail
cable	507	47	Cable barrier guardrail
cable	519	47	Cable barrier guardrail
cadillac	307	19	Cadillac
calculated	370	9990	Not calculated
calculated	371	9990	Not calculated
camper	309	32	Pickup with slide-in camper
camper	354	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	210	9	Unknown passenger car size
car	326	*	VIN MODEL CARS

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
car	332	*	VIN VEH WEIGHT - CAR
car	358	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	354	20	Minivan (Astro, Caravan, Plymouth Vista,
carburetion	341	*	VIN CARBURETION
carburetor	341	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, a
cargo	347	*	VEHICLE CARGO WEIGHT
cargo	354	11	Auto based panel (cargo station wagon, i
cargo	551	5	Cargo/trunk compartment
cargo	888	10	Deformed by cargo
cargo	1015	576	Cargo in vehicle
carried	851	3	Object carried by occupant
carry	309	50	School bus (designed to carry students,
carry	354	50	School bus (designed to carry students,
case	102	*	CASE NUMBER
case	119	*	CASE STRATUM
case	202	*	CASE NUMBER
case	302	*	CASE NUMBER
case	502	*	CASE NUMBER
case	602	*	CASE NUMBER
case	702	*	CASE NUMBER
case	802	*	CASE NUMBER
case	1002	*	CASE NUMBER
cassette	381	8	While adjusting radio, cassette, CD (spe
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

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	383	8	Other cause of control loss
cause	904	*	CAUSE OF DEATH-1-MED REP
cause	905	*	CAUSE OF DEATH-2-MED REP
cause	906	*	CAUSE OF DEATH-3-MED REP
cb	1015	8	Cellular telephone or CB radio
cc	343	200	200 cc
cd	381	8	While adjusting radio, cassette, CD (spe
cdc	351	1	First CDC
cdc	352	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
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	846	*	CDC OF AIR BAG DEPLOY
cdc's	546	*	CDC'S DOC/NOT CODED
cds	351	0	No override/underride, or not an end-ove
cds	352	0	No override/underride, or not end-over-e
cell	562	9	Hydrogen Fuel Cell
cell	563	9	Hydrogen Fuel Cell
cellular	381	5	While talking or listening to cellular p
cellular	1015	8	Cellular telephone or CB radio
central	1010	4	Central
cervical	1019	14	N - Neck - cervical spine
changing	382	15	Changing lanes
charged	341	26	Z - Unknown super charged
charger	309	15	Large utility (includes Jeep Cherokee, R
charger	354	15	Large utility (includes Jeep Cherokee, R
chassis	309	12	Large limousine - more than four side do
chassis	354	12	Large limousine - more than four side do
chest	1019	3	C - Chest
chevrolet	307	20	Chevrolet
chevy	309	16	Utility station wagon (Chevy Suburban,GM
chevy	354	16	Utility station wagon (Chevy Suburban,GM
child	823	12	Shoulder belt used with child safety sea
child	828	5	Child Protector - lap and shoulder belt

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
child	831	4	Automatic belt used with child restraint
child	834	6	Child safety seat
child	889	*	CHILD SEAT USED
child	890	*	CHILD SEAT MAKE/MODEL
child	891	*	CHILD SEAT TYPE
child	892	*	CHILD SEAT ORIENTATION
child	893	*	CHILD SEAT HARNESS USE
child	894	*	CHILD SEAT SHIELD USE
child	895	*	CHILD SEAT TETHER USE
child	1015	271	Child safety seat shell, (ie, shell inte
chrysler	307	6	Chrysler
circumstance	820	3	Could not exit vehicle due to external c
class	207	*	CLASS OF VEHICLE (1)
class	210	*	CLASS OF VEHICLE (2)
clear	395	18	Clear
climate	381	7	While adjusting climate controls
climb-over	356	4	Climb-over
clinic	900	3	Medical clinic
clinic	1008	4	Private physician - walk-in or emergency
clip	1015	272	Child safety seat harness system, (ie, h
clockwise	384	3	Skidding laterally clockwise rotation
closed	607	1	Door/tailgate/hatch remained closed and
closed	608	1	Door/tailgate/hatch remained closed and
closed	609	1	Door/tailgate/hatch remained closed and
closed	610	1	Door/tailgate/hatch remained closed and
closed	611	1	Door/tailgate/hatch remained closed and
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	819	2	Closed
cloudy	395	19	Cloudy
cng	562	3	CNG (Compressed Natural Gas)
cng	563	3	CNG (Compressed Natural Gas)
code	334	*	VIN TRUCK WEIGHT CODE
code	341	6	F - Unknown, fuel injection rating code
code	342	*	VIN FUEL CODE
code	403	*	DRIVER'S ZIP CODE
coded	368	99	Unknown, no indication of Delta-v coded,
coded	374	0	Reconstruction delta-v coded
coded	546	*	CDC'S DOC/NOT CODED
coded	1021	99	Not coded
collapse	750	9	Complete steering wheel collapse
collision	118	*	MANNER OF COLLISION
collision	356	7	Collision with another vehicle
collision	366	1	Collision fits model - results appear re
collision	367	4	At least one vehicle is beyond the scope
collision	380	*	POST COLL TREE/POLE COND
collision	383	0	Not applicable/no collision
collision	607	2	Door/tailgate/hatch came open during col
collision	608	2	Door/tailgate/hatch came open during col
collision	609	2	Door/tailgate/hatch came open during col
collision	610	2	Door/tailgate/hatch came open during col

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
collision	611	2	Door/tailgate/hatch came open during col
column	746	*	STEERING COLUMN TYPE
column	747	*	STEERING COLUMN TILT
column	748	*	STEERING COLUMN TELESCOP
column	884	8	Pedestal (i.e., column supported)
column	1015	7	Steering column, transmission selector 1
coma	908	*	GLASGOW COMA SCALE SCORE
combination	606	98	Other combination of above
combination	824	7	Combination of above
combination	888	7	Combination of above
combination	1015	6	Steering wheel (combination of rim, hub/
comfort	828	11	Comfort Ride - shoulder belt adjuster
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	354	14	Compact utility (includes Jeep CJ-2 thru
compartment	551	4	Engine compartment
compartment	606	*	PASS COMPART INTEGRITY
compartment	888	6	Deformed by passenger compartment intrus
compartment	1015	13	Glove compartment door
complete	344	3	Complete Inspection
complete	750	9	Complete steering wheel collapse
complete	816	1	Complete ejection
completely	887	11	Moved to completely rearward position
component	370	*	LONG COMPONENT DELTA-V
component	371	*	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	1015	154	Other restraint system component
compressed	342	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	358	54	Concrete traffic barrier
concrete	392	1	Concrete
concrete	507	54	Concrete traffic barrier
concrete	519	54	Concrete traffic barrier
concussion	1020	11	K - Concussion
condition	367	4	At least one vehicle is beyond the scope
condition	380	*	POST COLL TREE/POLE COND
condition	383	5	Poor road conditions (puddle, pothole, i
condition	393	*	ROADWAY SURFACE CONDITION
condition	394	*	LIGHT CONDITIONS
condition	395	*	ATMOSPHERIC CONDITIONS
conditioner	1015	9	Add-on equipment (e.g., tape deck, air c
confidence	366	*	RECONSTRUCT CONFIDENCE
confidence	1016	*	CONFIDENCE LEVEL
consciousness	1011	6	Head - LOC (Level of Consciousness)
console	815	5	Sitting on a console

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
console	1015	164	Center console - first row
console-mounted	1015	252	Floor or console-mounted transmission le
construction	309	93	Construction equipment other than trucks
construction	354	93	Construction equipment other than trucks
contact	209	*	VEH NUM/OBJ CONTACT(2)
contact	358	*	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	881	3	Contact lenses
contact	1015	570	Same occupant contact (specify)
contact	1017	1	Direct contact injury
contacted	507	*	OBJECT CONTACTED (1)
contacted	519	*	OBJECT CONTACTED (2)
control	381	7	While adjusting climate controls
control	383	8	Other cause of control loss
control	396	*	TRAFFIC CONTROL DEVICE
control	397	*	CONTROL DEVICE FUNCTION
control	851	4	Adaptive/assistive controls (specify)
control	1015	254	Foot controls (including parking brake)
controlled	341	7	G - 1 barrel, electronically controlled
contusion	1020	3	C - Contusion
conventional	309	39	Unknown (pickup style) light conventiona
conventional	354	39	Unknown (pickup style) light conventiona
conversion	517	11	K - Conversion impact type
conversion	529	11	K - Conversion impact type
converted	342	3	C - Gasoline engine that can be easily c
convertible	309	1	Convertible (excludes sunroof, t-bar)
convertible	354	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	891	3	Convertible seat (CSS)
convertible	1015	205	Roof or convertible top
conveyance	507	74	Other nonmotorist or conveyance
conveyance	519	74	Other nonmotorist or conveyance
cord	1021	3	C - Spinal cord
corner	517	5	E - Corner
corner	529	5	E - Corner
coroner	1008	5	Lay coroner report
correctly	848	*	AB FLAPS OPEN CORRECTLY
counterclockwise	384	4	Skidding laterally counterclockwise rota
country	309	50	School bus (designed to carry students,
country	354	50	School bus (designed to carry students,
coupe	309	2	2-door sedan, hardtop, coupe

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
coupe	354	2	2-door sedan, hardtop, coupe
cover	1015	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	380	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
crash	378	98	Other crash type
crash	617	7	Glazing removed prior to crash
crash	618	7	Glazing removed prior to crash
crash	619	7	Glazing removed prior to crash
crash	620	7	Glazing removed prior to crash
crash	621	7	Glazing removed prior to crash
crash	622	7	Glazing removed prior to crash
crash	623	7	Glazing removed prior to crash
crash	624	7	Glazing removed prior to crash
crash	625	7	Glazing removed prior to crash
crash	626	7	Glazing removed prior to crash
crash	627	7	Glazing removed prior to crash
crash	628	7	Glazing removed prior to crash
crash	629	7	Glazing removed prior to crash
crash	630	7	Glazing removed prior to crash
crash	631	7	Glazing removed prior to crash
crash	632	7	Glazing removed prior to crash
crash	633	7	Glazing removed prior to crash
crash	634	7	Glazing removed prior to crash
crash	635	7	Glazing removed prior to crash
crash	636	7	Glazing removed prior to crash
crash	637	7	Glazing removed prior to crash
crash	638	7	Glazing removed prior to crash
crash	639	7	Glazing removed prior to crash
crash	640	7	Glazing removed prior to crash
crash	641	7	Glazing removed prior to crash
crash	642	7	Glazing removed prior to crash
crash	643	7	Glazing removed prior to crash

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
crash	644	7	Glazing removed prior to crash
crash	645	7	Glazing removed prior to crash
crash	646	7	Glazing removed prior to crash
crash	647	7	Glazing removed prior to crash
crash	648	7	Glazing removed prior to crash
crash	838	1	Air bag deployed during crash (as a resu
crash	842	*	AB DEPLOY/PREVIOUS CRASH
crash	843	5	Unknown if air bag available for this cr
crash	855	5	Unknown if air bag available for this cr
crash	856	*	AIRBAG PREVIOUS CRASH(1)
crash	862	5	Unknown if air bag available for this cr
crash	863	*	AIRBAG PREVIOUS CRASH(2)
crash	869	5	Unknown if air bag available for this cr
crash	870	*	AIRBAG PREVIOUS CRASH(3)
crash	876	5	Unknown if air bag available for this cr
crash	877	*	AIRBAG PREVIOUS CRASH(4)
crash	898	6	Died prior to crash
crash	902	97	Not working prior to crash
crashes	842	1	No previous crashes
crashes	856	1	No previous crashes
crashes	863	1	No previous crashes
crashes	870	1	No previous crashes
crashes	877	1	No previous crashes
critical	112	5	Critical injury
critical	382	17	Successful avoidance maneuver to a previ
critical	383	*	CRITICAL PRECRASH EVENT
critical	407	5	Critical injury
critical	911	5	Critical injury
critical	1014	5	Critical injury
cross	309	50	School bus (designed to carry students,
cross	354	50	School bus (designed to carry students,
crossing	383	17	Crossing over (passing through) intersec
crossing	396	1	Traffic control signal (not RR crossing)
crossover	383	55	In crossover
crosswinds	395	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	1020	14	N - Crush
css	891	3	Convertible seat (CSS)
culvert	209	60	Ditch or culvert
culvert	358	60	Ditch or culvert
culvert	507	60	Ditch or culvert
culvert	519	60	Ditch or culvert
cup	1015	271	Child safety seat shell, (ie, shell inte
curb	209	63	Curb
curb	346	*	VEHICLE CURB WEIGHT
curb	358	63	Curb
curb	507	63	Curb
curb	519	63	Curb

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
curve	382	14	Negotiating a curve
curve	390	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	884	4	Bench with separate back cushions
cut	850	3	Cut
cutoff	338	21	U - Dual front air bag / active belts w/
cycle	207	80	Motored cycle
cycle	210	80	Motored cycle
cycle	309	88	Other motored cycle (minibike, motorscoo
cycle	354	88	Other motored cycle type (minibike, moto
cycle	507	73	Cyclist or cycle
cycle	519	73	Cyclist or cycle
cyclist	209	73	Cyclist
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	354	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	344	1	Vehicle fully repaired - no damage evide
damage	345	0	Not towed due to vehicle damage
damage	367	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
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

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	850	88	Other damage (specify)
damage	851	*	AB DAMAGE SOURCE
damage	882	*	HEAD RESTRAINT TYPE/DAM
damaged	380	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	849	*	AB FLAPS DAMAGED
damaged	850	*	AB DAMAGED
damaged	851	1	Not damaged
damaged	882	2	Integral - damaged during crash
dark	394	2	Dark
dawn	394	4	Dawn
day	108	*	CRASH DAY OF WEEK
day	901	61	61 days or more
day	902	*	WORKING DAYS LOST
day	903	60	From 29 1/2 to 30 days after the acciden
daylight	394	1	Daylight
daytime	339	*	DAYTIME RUNNING LIGHTS
deactivation	338	21	U - Dual front air bag / active belts w/
death	903	*	TIME TO DEATH
death	904	96	Mode of death given but specific injurie
death	905	96	Mode of death given but specific injurie
death	906	96	Mode of death given but specific injurie
death	913	*	FETAL DEATH
decelerating	382	2	Decelerating in traffic lane
decelerating	383	18	This vehicle decelerating
december	106	12	December
deck	1015	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)
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	888	5	Deformed by occupant of this seat
degree	380	3	Tilted < 45 degrees
degree	384	2	Skidding longitudinally rotation less th

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
degree	568	*	PDOF1-CLOCK DEGREES
degree	569	*	PDOF2-CLOCK DEGREES
degree	816	3	Ejection, unknown degree
delta-v	367	*	BASIS FOR TOTAL DELTA-V
delta-v	368	*	DELTA-V EVENT NUMBER
delta-v	369	*	TOTAL DELTA-V
delta-v	370	*	LONG COMPONENT DELTA-V
delta-v	371	*	LAT COMPONENT DELTA-V
delta-v	374	*	EST HIGHEST DELTA-V
delta-v	380	0	Not collision (for highest delta-v) with
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	846	1	Highest delta-v
delta-v	847	*	AB ASSOC LONG DELTA-V
departed	362	3	Departed roadway (to non-paved surface)
departed	385	4	Departed roadway
departing	362	2	Departing roadway (to paved surface)
departure	383	14	End departure
deploy	840	*	AIR BAG DEPLOY/OTHER
deploy	842	*	AB DEPLOY/PREVIOUS CRASH
deploy	846	*	CDC OF AIR BAG DEPLOY
deployed	836	2	Deployed
deployed	838	1	Air bag deployed during crash (as a resu
deployed	840	1	Air bag deployed during crash (as a r
deployed	845	96	Deployed, unknown event
deployed	846	6	Deployed, unknown event
deployed	847	9970	Not deployed
deployed	848	3	Deployed, unknown if flaps/seams opened
deployed	849	3	Deployed, unknown if flap(s) damaged
deployed	850	96	Deployed, unknown if damaged
deployed	851	96	Deployed, unknown if damaged
deployed	881	4	Deployed, unknown if eyewear worn
deployment	838	*	AIR BAG DEPLOYMENT
deployment	842	2	Previous crash(es) without deployment(s)
deployment	847	9960	Deployment, unknown longitudinal delta-v
deployment	856	2	Previous crash(es) without deployment(s)
deployment	863	2	Previous crash(es) without deployment(s)
deployment	870	2	Previous crash(es) without deployment(s)
deployment	877	2	Previous crash(es) without deployment(s)
derivative	309	13	Three-wheel automobile or automobile der
derivative	354	13	Three-wheel automobile or automobile der
designed	309	50	School bus (designed to carry students,
designed	354	50	School bus (designed to carry students,

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
destroyed	822	1	Belt removed/destroyed
destroyed	823	0	None used, not available, or belt remove
destroyed	824	0	No manual belt used or not available / r
destroyed	830	4	Automatic belts destroyed or rendered in
destroyed	831	0	Not equipped/not available/destroyed or
destroyed	832	0	Not equipped/not available/destroyed or
destroyed	833	0	Not equipped/not available/destroyed or
destroyed	835	0	Not equipped/not available/destroyed or
detachment	1020	7	G - Detachment, separation
determination	835	*	BELT USE DETERMINATION
determine	338	14	N - If unable to determine
device	381	9	While using other device/controls integr
device	396	*	TRAFFIC CONTROL DEVICE
device	397	*	CONTROL DEVICE FUNCTION
device	825	9	Unknown if position has adjustable shoul
device	828	*	BELT POSITIONING DEVICE
device	1015	402	Steering control devices (attached to OE
dialing	381	6	While dialing cellular phone (specify lo
diamond reo, reo	307	81	Diamond Reo, Reo
died	898	6	Died prior to crash
diesel	342	4	D - Diesel
diesel	562	2	Diesel
diesel	563	2	Diesel
digestive	1021	4	D - Digestive
direct	566	*	DIRECT DAMAGE WIDTH
direct	1017	*	DIRECT/INDIRECT INJURY
direction	118	5	Sideswipe, same direction
direction	360	*	DIRECTION OF INITIAL ROL
direction	383	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	392	5	Dirt
dirt	393	8	Dirt, mud or gravel
dirt	395	17	Blowing sand, soil, dirt
disabled	382	7	Disabled or parked in travel lane
disabling	383	3	Disabling vehicle failure (e.g. wheel fe
discharge	1008	2	Hospital/medical records other than emer
disconnected	209	78	Trailer, disconnected in-transport
disconnected	358	78	Trailer, disconnected in-transport
disconnected	507	78	Trailer, disconnected in-transport
disconnected	519	78	Trailer, disconnected in-transport
disconnected	831	2	Automatic belt not in use (manually disc
disconnected	837	2	Air bag disconnected
disconnected	839	2	Air bag disconnected (specify)
disconnected	855	70	No air bag available for this crash (dis
disconnected	862	70	No air bag available for this crash (dis
disconnected	869	70	No air bag available for this crash (dis

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
disconnected	876	70	No air bag available for this crash (dis
disease	111	2	Fatal - ruled disease
disease	406	2	Fatal - ruled disease
disease	899	2	Fatal, ruled disease
disease	903	96	Fatal, ruled disease
disease	904	97	Other result (includes fatal ruled disea
disease	905	97	Other result (includes fatal ruled disea
disease	906	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	1020	4	D - Dislocation
displace	343	*	MTRCYCLE ENGINE DISPLACE
disposition	345	*	VEHICLE DISPOSITION
disposition	547	*	VEHICLE DISPOSITION
distance	363	*	DISTANCE OF ROLLOVER
distracted	381	1	Attentive or not distracted
distraction	381	*	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	358	60	Ditch or culvert
ditch	507	60	Ditch or culvert
ditch	519	60	Ditch or culvert
divided	357	4	On roadside or divided trafficway median
divided	388	0	Not divided
doc	379	*	TRAJECTORY DATA DOC
doc	546	*	CDC'S DOC/NOT CODED
documented	546	0	Not documented
documented	1018	0	No intrusion or injury not associated wi
dodge	307	7	Dodge
door	309	7	Hatchback, number of doors unknown
door	354	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
door	612	*	DOOR/GATE/HATCH DAM - LF
door	613	*	DOOR/GATE/HATCH DAM - RF
door	614	*	DOOR/GATE/HATCH DAM - LR

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
door	615	*	DOOR/GATE/HATCH DAM - RR
door	616	*	DOOR/GATE/HATCH DAM - TG
door	707	26	Back door/panel (e.g. tailgate)
door	711	26	Back door/panel (e.g. tailgate)
door	715	26	Back door/panel (e.g. tailgate)
door	719	26	Back door/panel (e.g. tailgate)
door	723	26	Back door/panel (e.g. tailgate)
door	727	26	Back door/panel (e.g. tailgate)
door	731	26	Back door/panel (e.g. tailgate)
door	735	26	Back door/panel (e.g. tailgate)
door	739	26	Back door/panel (e.g. tailgate)
door	743	26	Back door/panel (e.g. tailgate)
door	818	1	Door/hatch/tailgate
door	820	2	Could not exit vehicle due to jammed doo
door	852	6	Door/panel
door	859	6	Door/panel
door	866	6	Door/panel
door	873	6	Door/panel
door	1015	13	Glove compartment door
dorsal	1010	6	Posterior/back/dorsal
down	747	4	Between center and full down
down	825	4	In full down position
down	1015	167	Fold down armrest - first row
downhill	391	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	381	13	Eating or drinking (specify)
drive	335	*	# WHEELS/# DRIVE WHEELS
drive	336	*	VIN FRONT WHEEL DRIVE
drive	337	*	VIN FOUR WHEEL DRIVE
driver	338	2	B - Driver front air bag / passenger sid
driver	398	*	DRIVER PRESENCE
driver	813	1	Driver
driver	835	3	Driver/occupant interview
driver	1015	170	Air bag - driver side
driver-side	338	24	X - Dual air bags front and side air bag
driveway	383	70	From driveway, turning into same directi
driveway	387	3	Driveway, alley access related/noninterc
driving	381	*	DISTRACTION TO DRIVING
driving	753	0	No adaptive driving equipment
drizzle	395	13	Sleet/hail (freezing rain or drizzle)
drug	117	*	DRUG INVOLVEMENT
drug	401	*	OTHER DRUG PRESENCE
drug	402	*	OTH DRUG - SPECIMEN TEST
dry	393	1	Dry
dual	338	3	C - Dual front air bags / belt system un
ducati	307	71	Ducati
dump	309	40	Cab chassis based (includes rescue vehic
dump	354	40	Cab chassis based (includes rescue vehic

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
dune	354	90	ATV (all terrain vehicle including dune/
dusk	394	5	Dusk
eagle	307	10	Eagle
ear	1021	5	E - Ears
easily	342	3	C - Gasoline engine that can be easily c
eating	381	13	Eating or drinking (specify)
econoline	309	21	Large van (Sportsman, Royal, Ram, Chevy
econoline	354	21	Large van (Sportsman, Royal, Ram, Chevy
edge	383	12	Off the edge of the road on the left sid
edge	1015	502	Hood edge
efforts	851	7	Rescue or emergency efforts
ejected	821	5	Occupant fully ejected
ejection	816	*	EJECTION
ejection	817	*	EJECTION AREA
ejection	818	*	EJECTION MEDIUM
ejection	819	0	No ejection
elbow	1019	5	E - Elbow
electric	342	2	B - Electric and gasoline hybrid engine
electric	552	0	No fuel tank (electric/solar powered veh
electric	553	0	No fuel tank (electric/solar powered veh
electrical	820	3	Could not exit vehicle due to external c
electrical	838	4	Air bag deployed as a result of a noncol
electrical	840	4	Air bag deployed as a result of a noncol
electronically	341	7	G - 1 barrel, electronically controlled
embankment	209	44	Embankment
embankment	358	44	Embankment
embankment	507	44	Embankment
embankment	519	44	Embankment
emergency	349	8	Emergency services vehicle
emergency	851	7	Rescue or emergency efforts
emergency	1008	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
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
enclosed	814	98	Other enclosed area
encroachment	383	78	Encroachment by other vehicle - details
endocrine	1021	20	T - Thyroid, other endocrine gland
end-over-end	209	31	Overturn - rollover (excludes end-over-e
end-over-end	351	0	No override/underide, or not an end-ove
end-over-end	352	0	No override/underide, or not end-over-e
end-over-end	355	98	Rollover - end-over-end
end-over-end	356	98	Rollover - end-over-end
end-over-end	357	8	Rollover -- end-over-end
end-over-end	358	32	No rollover impact initiation (end-over-
end-over-end	359	8	Rollover -- end-over-end
end-over-end	360	8	Rollover -- end-over-end (i.e., primaril
end-over-end	363	998	End-over-end rollover
end-over-end	507	31	Overturn - rollover (excludes end-over-e

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
end-over-end	519	31	Overturn - rollover (excludes end-over-e
energy	372	*	ENERGY ABSORPTION
engine	342	2	B - Electric and gasoline hybrid engine
engine	343	*	MTRCYCLE ENGINE DISPLACE
engine	383	2	Stalled engine
engine	551	4	Engine compartment
engine	1015	574	Engine shroud/cover
entered	385	7	Entered roadway
entering	382	9	Entering a parking position
entrance	383	74	From entrance to limited access highway
entrapment	820	*	ENTRAPMENT
entrapped	820	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	354	92	Farm equipment
equipment	753	0	No adaptive driving equipment
equipment	1015	9	Add-on equipment (e.g., tape deck, air c
equivalent	373	*	BARRIER EQUIVALENT SPEED
estimate	374	*	EST HIGHEST DELTA-V
ethanol	342	8	H - Ethanol fuel only
ethanol	562	7	Ethanol (E100 or E85)
ethanol	563	7	Ethanol (E100 or E85)
ethnicity	405	*	DRIVER'S ETHNICITY C
ethnicity	812	*	ETHNICITY
event	110	*	NUM EVENTS RECORDED
event	205	*	EVENT SEQUENCE NUMBER
event	368	*	DELTA-V EVENT NUMBER
event	383	*	CRITICAL PRECRASH EVENT
event	845	*	AIR BAG EVENT NUMBER
evident	344	1	Vehicle fully repaired - no damage evide
excluding	309	6	Station Wagon (excluding van and truck b
excluding	354	6	Station Wagon (excluding van and truck b
exhaust	551	2	Exhaust system
exhaust	1015	604	Air bag exhaust gases
exit	820	0	Not entrapped/exit not inhibited
exited	821	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	838	4	Air bag deployed as a result of a noncol
explosion	840	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

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	1015	17	Windshield reinforced by exterior object
external	820	3	Could not exit vehicle due to external c
external	1008	17	Autopsy - External Only
extremity	1009	7	Upper Extremity
eye	1021	15	O - Eye
eyeglasses	881	2	Eyeglasses/sunglasses
eyewear	881	*	EYEWEAR WORN
eyewear	1015	171	Air bag - driver side and eyewear
face	1009	2	Face
face	1019	6	F - Face
facility	111	8	Transported to a medical facility - unkn
facility	406	8	Transported to a medical facility - unkn
facility	899	8	Transported to a medical facility - unkn
facility	900	*	TYPE OF MEDICAL FACILITY
facility	908	1	Injured - not treated at medical facilit
facing	885	1	Forward facing seat
facing	892	1	Rear facing
factor	116	*	RATIO INFLATION FACTOR
failed	888	2	Seat adjusters failed
failure	383	3	Disabling vehicle failure (e.g. wheel fe
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	833	*	AUTO BELT FAILURE MODES
failure	841	*	AIR BAG SYSTEM FAILURE
failure	888	1	No seat performance failure(s)
fall-over	356	5	Fall-over
fall-over	358	31	Turn-over - fall-over
farm	309	92	Farm equipment other than trucks
farm	354	92	Farm equipment
fast	383	6	Traveling too fast for conditions
fatal	111	1	Fatal
fatal	406	1	Fatal
fatal	821	0	Occupant fatal before removed from vehic
fatal	898	4	K - fatal injury
fatal	899	1	Fatal
fatal	903	0	Not fatal
fatal	904	0	Not fatal or no additional causes
fatal	905	0	Not fatal or no additional causes
fatal	906	0	Not fatal or no additional causes
fatally	902	62	Fatally injured
february	106	2	February
feet	815	7	Bracing with feet or hands on a surface
fell	209	79	Object fell from vehicle in-transport
fell	358	79	Object fell from vehicle in-transport
fell	381	11	Sleepy or fell asleep

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
fell	383	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	358	57	Fence
fence	507	57	Fence
fence	519	57	Fence
fetal	913	*	FETAL DEATH
fetus	913	1	Yes, lost fetus
fiat	307	36	Fiat
file	826	8	No match from SEATLOC file
file	827	8	No match from SEATLOC file
file	828	88	No match from SEATLOC file
file	829	8	No match from SEATLOC file
file	896	8	No match from SEATLOC file
file	897	8	No match from SEATLOC file
filter	560	5	Lines / pump / filter
filter	561	5	Lines / pump / filter
fire	209	33	Fire or explosion
fire	349	7	Fire truck
fire	358	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	820	3	Could not exit vehicle due to external c
fire	838	4	Air bag deployed as a result of a noncol
fire	840	4	Air bag deployed as a result of a noncol
fire	851	5	Fire in vehicle
fire	1015	601	Fire in vehicle
fit	857	2	Retro fit
fit	864	2	Retro fit
fit	871	2	Retro fit
fit	878	2	Retro fit
fixed	209	68	Other fixed object
fixed	329	1	Fixed
fixed	330	1	Fixed
fixed	331	1	Fixed
fixed	358	68	Other fixed object (specify)
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	818	3	Fixed glazing
flap	848	*	AB FLAPS OPEN CORRECTLY
flap	849	*	AB FLAPS DAMAGED
flat	383	1	Blow out/flat tire
flew	383	4	Non-disabling vehicle problem (e.g. hood
flexible	342	6	F - Flexible fuel

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
flexible	633	15	AS-6 - Flexible plastic safety glazing
flexible	634	15	AS-6 - Flexible plastic safety glazing
flexible	635	15	AS-6 - Flexible plastic safety glazing
flexible	636	15	AS-6 - Flexible plastic safety glazing
flexible	637	15	AS-6 - Flexible plastic safety glazing
flexible	638	15	AS-6 - Flexible plastic safety glazing
flexible	639	15	AS-6 - Flexible plastic safety glazing
flexible	640	15	AS-6 - Flexible plastic safety glazing
flip-over	356	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	1015	251	Floor including toe pan
flow	388	*	TRAFFICWAY FLOW
flying	1015	602	Flying glass
fog	395	11	Fog, smog, smoke
fold	1015	167	Fold down armrest - first row
folding	884	2	Bucket with folding back
folding	888	3	Seat back folding locks or "seat back" f
following	564	3	Yes, damage to additional tank or filler
foot	1015	254	Foot controls (including parking brake)
foot	1019	17	Q - Ankle - foot
force	359	*	PRIN TRIP FORCE APPLIED
force	508	*	DIRECTION OF FORCE (1)
force	520	*	DIRECTION OF FORCE (2)
ford	307	12	Ford
forearm	1019	18	R - Forearm
form	105	*	NUM GEN VEH FORMS SUBMIT
form	411	*	NUMBER OCCUPANT FORMS
fracture	1020	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	1015	57	Left side window frame
freezing	395	13	Sleet/hail (freezing rain or drizzle)
freightliner/white freig	307	82	Freightliner/White Freightliner/White
friday	108	6	Friday
front	208	1	(F) Front
front	211	1	(F) Front
front	336	*	VIN FRONT WHEEL DRIVE
front	338	2	B - Driver front air bag / passenger sid
front	351	*	FRONT OVERRIDE/UNDERRIDE
front	514	6	F - Front

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	814	11	Front seat - left side (driver's side)
front	815	3	Kneeling, standing or sitting in front o
front	817	2	Left front
front	1010	5	Anterior/front/ventral
front	1015	15	Windshield + 1 or more from: front heade
frost	393	5	Ice / frost
fuel	341	6	F - Unknown, fuel injection rating code
fuel	342	*	VIN 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
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	825	2	In full upright position
fullsize	309	15	Large utility (includes Jeep Cherokee, R
fullsize	354	15	Large utility (includes Jeep Cherokee, R
fun	836	*	AIR BAG AVAIL/FUN POLICE
function	397	*	CONTROL DEVICE FUNCTION
function	836	1	Police did not indicate air bag availabi
function	837	*	AIR BAG AVAIL/FUNCTION
functioning	397	1	Traffic control device not functioning
fwd	307	83	FWD

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
gas	342	3	C - Gasoline engine that can be easily c
gas	562	3	CNG (Compressed Natural Gas)
gas	563	3	CNG (Compressed Natural Gas)
gaseous	342	3	C - Gasoline engine that can be easily c
gases	910	*	ARTERIAL BLOOD GASES
gases	1015	604	Air bag exhaust gases
gasoline	342	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	908	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
gland	1021	20	T - Thyroid, other endocrine gland
glasgow	908	*	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
glass	639	6	AS-14 - Glass/plastic
glass	640	6	AS-14 - Glass/plastic
glass	1015	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

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	818	3	Fixed glazing
glove	1015	13	Glove compartment door
gmc	307	23	GMC
gmc	309	16	Utility station wagon (Chevy Suburban,GM
gmc	354	16	Utility station wagon (Chevy Suburban,GM
grab	1015	573	Grab handles
grade	391	2	Uphill grade (> 2%)
grand	309	16	Utility station wagon (Chevy Suburban,GM
grand	354	16	Utility station wagon (Chevy Suburban,GM
gravel	392	4	Slag, gravel or stone
gravel	393	8	Dirt, mud or gravel
ground	209	61	Ground
ground	358	61	Ground
ground	507	61	Ground
ground	519	61	Ground
ground	1015	551	Ground
grumman	307	25	Grumman
guardrail	209	46	Metal guardrail
guardrail	358	46	Metal guardrail
guardrail	507	46	Metal guardrail
guardrail	519	46	Metal guardrail
guardrail	1015	598	Other object (tree, pole, traffic barrie
hail	395	13	Sleet/hail (freezing rain or drizzle)
hand	815	7	Bracing with feet or hands on a surface
hand	1015	401	Hand controls for braking/acceleration
hand	1019	23	W - Wrist - hand
handle	1015	253	Parking brake handle
handles	1015	573	Grab handles
hardtop	309	2	2-door sedan, hardtop, coupe
hardtop	354	2	2-door sedan, hardtop, coupe
hardware	1015	77	Left hardware/armrest forward upper quad
harley-davidson	307	72	Harley-Davidson
harness	893	*	CHILD SEAT HARNESS USE
harness	1015	272	Child safety seat harness system, (ie, h
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	818	1	Door/hatch/tailgate

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
hatchback	309	3	3-door/2-door hatchback
hatchback	354	3	3-door/2-door hatchback
hco3	910	96	ABGs reported, HCO3 unknown
head	338	8	H - Dual air bags front, head and sides
head	882	*	HEAD RESTRAINT TYPE/DAM
head	883	*	HEAD RESTRAINT ACTIVE
head	1009	1	Head
head	1011	6	Head - LOC (Level of Consciousness)
head	1015	155	Head restraint system
head	1019	8	H - Head - skull
heading	364	*	HEADING ANGLE - THIS VEH
heading	365	*	HEADING ANGLE - OTH VEH
head-on	118	2	Head-on
hearse	309	11	Auto based panel (cargo station wagon, a
hearse	354	11	Auto based panel (cargo station wagon, i
heart	1021	8	H - Heart
heavy	207	78	Unknown medium/heavy truck type
heavy	210	78	Unknown medium/heavy truck type
heavy	309	65	Medium/heavy truck based motorhome
heavy	351	7	Medium or heavy truck override or underr
heavy	352	7	Medium or heavy truck override or underr
heavy	354	65	Medium/heavy truck based motorhome
heavy	358	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	354	28	Other van type (Hi-Cube Van, Kary)
high	341	5	E - Turbo high HP
high	366	2	Collision fits model - results appear hi
high	820	3	Could not exit vehicle due to external c
higher	341	2	B - Higher HP, 1 barrel carburetor
higher	383	53	Traveling in same direction with higher
highest	374	*	EST HIGHEST DELTA-V
highest	380	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	846	1	Highest delta-v
highway	383	74	From entrance to limited access highway
hillcrest	391	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	1019	16	P - Pelvis - hip
hispanic	405	1	Hispanic or Latino
hispanic	812	1	Hispanic or Latino
history	827	*	MANUAL BELT HISTORY
hitting	353	998	Not applicable (most severe impact not w

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
hitting	354	98	Not applicable (most severe impact not w
holder	1015	271	Child safety seat shell, (ie, shell inte
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	850	5	Holed
honda	307	37	Honda
hood	383	4	Non-disabling 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	1015	451	Hood
hospital	900	2	Hospital
hospital	901	*	HOSPITAL STAY
hospital	1008	1	Autopsy records with or without hospital
hospitalization	111	3	Hospitalization
hospitalization	406	3	Hospitalization
hospitalized	899	3	Hospitalized
hospitalized	901	0	Not hospitalized
hour	903	1	Less than 1 and 1/2 hours from the time
hp	341	1	A - Lower HP
hub	852	1	Steering wheel hub
hub	859	1	Steering wheel hub
hub	866	1	Steering wheel hub
hub	873	1	Steering wheel hub
hub	1015	5	Steering wheel hub/spoke
hybrid	342	2	B - Electric and gasoline hybrid engine
hydrant	209	62	Fire hydrant
hydrant	358	62	Fire hydrant
hydrant	507	62	Fire hydrant
hydrant	519	62	Fire hydrant
hydride	562	15	Nickel-Metal Hydride (NiMH)
hydride	563	15	Nickel-Metal Hydride (NiMH)
hydrogen	562	9	Hydrogen Fuel Cell
hydrogen	563	9	Hydrogen Fuel Cell
hyundai	307	55	Hyundai
ice	383	5	Poor road conditions (puddle, pothole, i

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
ice	393	5	Ice / frost
impact	209	55	Impact attenuator
impact	353	998	Not applicable (most severe impact not w
impact	354	98	Not applicable (most severe impact not w
impact	358	32	No rollover impact initiation (end-over-
impact	364	996	Nonhorizontal impact
impact	365	996	Nonhorizontal impact
impact	377	*	IMPACT SPEED
impact	378	0	No impact
impact	507	55	Impact attenuator
impact	517	11	K - Conversion impact type
impact	519	55	Impact attenuator
impact	529	11	K - Conversion impact type
impact	565	998	No highest severity end plane impact
impact	568	998	Nonhorizontal impact
impact	569	998	Nonhorizontal 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	838	1	Air bag deployed during crash (as a resu
impact	840	1	Air bag deployed during crash (as a r
imperial	307	8	Imperial
inadvertently	838	2	Air bag deployed inadvertently just prio
inadvertently	840	2	Air bag deployed inadvertently just prio
inattentive	381	98	Other, distraction/inattentive (specify)
incapacitating	898	3	A - incapacitating injury
incline	887	*	SEAT BACK INCLINE
indicate	834	1	Police did not indicate belt use
indicate	836	1	Police did not indicate air bag availabi
indicated	834	9	Police indicated "unknown"
indicated	836	9	Police indicated "unknown"
indication	368	99	Unknown, no indication of Delta-v coded,
indirect	1017	*	DIRECT/INDIRECT INJURY
infant	891	1	Infant seat (ISS)
inferior	1010	8	Inferior/lower
infiniti	307	58	Infiniti
inflation	116	*	RATIO INFLATION FACTOR
information	208	97	(blank) No information
information	211	97	(blank) No information
inhibited	820	0	Not entrapped/exit not inhibited
initial	360	*	DIRECTION OF INITIAL ROL
initiation	356	*	ROLLOVER INITIATION TYPE
initiation	357	*	LOCATION OF ROLLOVER INI
initiation	358	*	ROLLOVER INIT OBJ CONTAC
injected	341	20	T - 1,2,4 barrels, turbo fuel injected
injection	341	6	F - Unknown, fuel injection rating code
injured	112	0	Not injured
injured	114	*	NUM INJURED OCCUPANTS
injured	407	0	Not injured
injured	408	*	NUM SERIOUSLY INJURED
injured	409	*	NUMBER INJURED
injured	898	9	Unknown if injured

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
injured	902	62	Fatally injured
injured	907	97	Injured, details unknown
injured	908	0	Not injured
injured	910	0	Not injured
injured	911	0	Not injured
injured	912	0	Not injured
injured	1014	7	Injured, unknown severity
injured	1015	697	Injured, unknown source
injured	1017	7	Injured, unknown source
injured	1019	21	U - Injured, unknown region
injured	1020	21	U - Injured, unknown lesion
injured	1021	21	U - Injured, unknown system
injuries	821	2	Removed from vehicle due to perceived se
injuries	904	96	Mode of death given but specific injurie
injuries	905	96	Mode of death given but specific injurie
injuries	906	96	Mode of death given but specific injurie
injuries	907	*	NUM RECORDED INJURIES
injury	112	1	Minor injury
injury	113	*	NUM SERIOUSLY INJ OCC
injury	209	36	Noncollision injury
injury	407	1	Minor injury
injury	507	36	Noncollision injury
injury	519	36	Noncollision injury
injury	835	2	Official injury data
injury	898	*	INJURY SEVERITY
injury	911	1	Minor injury
injury	912	*	INJURY SEVERITY SCORE
injury	1003	10	Occupant injury record
injury	1007	*	INJURY NUMBER
injury	1008	*	INJURY DATA SOURCE
injury	1013	*	LEVEL OF INJURY
injury	1014	1	Minor injury
injury	1015	*	INJURY SOURCE
injury	1017	*	DIRECT/INDIRECT INJURY
injury	1018	0	No intrusion or injury not associated wi
inspection	344	*	TYPE OF VEH INSPECTION
inspection	367	0	No vehicle inspection
inspection	835	1	Vehicle inspection
install	855	1	Original manufacturer install
install	862	1	Original manufacturer install
install	869	1	Original manufacturer install
install	876	1	Original manufacturer install
installed	753	1	Adaptive driving equipment installed
installed	843	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	852	2	Top instrument panel
instrument	859	2	Top instrument panel

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Item	Var	CV	Variable Name or Code Value
instrument	866	2	Top instrument panel
instrument	873	2	Top instrument panel
instrument	1015	15	Windshield + 1 or more from: front heade
insufficient	367	11	All vehs & collision conditions are with
integral	381	9	While using other device/controls integr
integral	818	5	Integral structure
integral	819	3	Integral structure
integral	882	1	Integral - no damage
integrated	829	*	SEAT - INTEGRATED BELTS
integrity	606	*	PASS COMPART INTEGRITY
integrity	752	*	POST-CRASH INTEGRITY LOS
integumentary	1021	9	I - Integumentary
intended	383	68	From crossing street, intended path not
interchange	387	*	RELATION TO INTERCHANGE
intercity	309	58	Other bus type (e.g., transit, intercity
intercity	354	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	1015	161	Interior loose objects
intermediate	207	3	Intermediate (wheelbase => 265 but < 278
intermediate	210	3	Intermediate (wheelbase => 265 but < 278
internal	1008	16	Autopsy - Internal
international harvester/	307	84	International Harvester/Navistar
interrupted	361	*	INTERRUPTED ROLLOVER
interrupted	361	1	Yes, rollover sequence was interrupted
intersection	383	15	Turning left at intersection
intersection	387	2	Intersection related/noninterchange
interview	835	3	Driver/occupant interview
interviewee	1008	7	Interviewee
in-transport	118	0	Not collision with vehicle in-transport
in-transport	209	78	Trailer, disconnected in-transport
in-transport	350	1	In-transport
in-transport	358	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)

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
intruding	735	*	INTRUDING COMPONENT (8)
intruding	739	*	INTRUDING COMPONENT (9)
intruding	743	*	INTRUDING COMPONENT (10)
intrusion	706	*	INTRUSION LOCATION (1)
intrusion	708	*	INTRUSION MAGNITUDE (1)
intrusion	710	*	INTRUSION LOCATION (2)
intrusion	712	*	INTRUSION MAGNITUDE (2)
intrusion	714	*	INTRUSION LOCATION (3)
intrusion	716	*	INTRUSION MAGNITUDE (3)
intrusion	718	*	INTRUSION LOCATION (4)
intrusion	720	*	INTRUSION MAGNITUDE (4)
intrusion	722	*	INTRUSION LOCATION (5)
intrusion	724	*	INTRUSION MAGNITUDE (5)
intrusion	726	*	INTRUSION LOCATION (6)
intrusion	728	*	INTRUSION MAGNITUDE (6)
intrusion	730	*	INTRUSION LOCATION (7)
intrusion	732	*	INTRUSION MAGNITUDE (7)
intrusion	734	*	INTRUSION LOCATION (8)
intrusion	736	*	INTRUSION MAGNITUDE (8)
intrusion	738	*	INTRUSION LOCATION (9)
intrusion	740	*	INTRUSION MAGNITUDE (9)
intrusion	742	*	INTRUSION LOCATION (10)
intrusion	744	*	INTRUSION MAGNITUDE (10)
intrusion	888	6	Deformed by passenger compartment intrus
intrusion	1018	*	INTRUSION NUMBER
iss	891	1	Infant seat (ISS)
iss	912	1	ISS 1
isuzu	307	38	Isuzu
iveco/magirus	307	88	Iveco/Magirus
jackknife	209	34	Jackknife
jackknife	358	34	Jackknife
jackknife	507	34	Jackknife
jackknife	519	34	Jackknife
jaguar	307	39	Jaguar
jammed	607	3	Door/tailgate/hatch jammed shut
jammed	608	3	Door/tailgate/hatch jammed shut
jammed	609	3	Door/tailgate/hatch jammed shut
jammed	610	3	Door/tailgate/hatch jammed shut
jammed	611	3	Door/tailgate/hatch jammed shut
jammed	820	2	Could not exit vehicle due to jammed doo
january	106	1	January
jeep	309	14	Compact utility (includes Jeep CJ-2 thru
jeep	354	14	Compact utility (includes Jeep CJ-2 thru
jeep (includes kaiser-je	307	2	Jeep (includes Kaiser-Jeep)
jersey	1015	598	Other object (tree, pole, traffic barrie
jewelry	1015	172	Air bag - driver side and jewelry
joint	1011	5	Skeletal (includes joints)
joint	1021	10	J - Joints
joules	372	0	Less than 50 joules
joy-stick	1015	406	Joy-stick steering controls
july	106	7	July
junction	387	4	Other junction/noninterchange
june	106	6	June
kary	309	28	Other van type (Hi-Cube Van, Kary)
kary	354	28	Other van type (Hi-Cube Van, Kary)
kawasaki	307	73	Kawasaki
kenworth	307	85	Kenworth

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Item	Var	CV	Variable Name or Code Value
kia	307	63	KIA
kidney	1021	11	K - Kidneys
klunk-klip	828	9	Klunk-Klip - shoulder belt adjuster
kmph	369	0	Less than 0.5 kmph
kmph	370	-160	-159.5 kmph and below
kmph	371	-160	-159.5 kmph and below
kmph	373	0	Less than 0.5 kmph
kmph	374	1	Less than 10 kmph
kmph	375	*	SPEED LIMIT (KMPH)
kmph	376	*	TRAVEL SPEED (KMPH)
kmph	377	0	< 0.5 kmph
kmph	847	-160	< or = -159.5 kmph
knee	1015	24	Left lower instrument panel (includes kn
knee	1019	11	K - Knee
kneeling	815	1	Kneeling or standing on seat
knob	1015	403	Steering knob attached to steering wheel
lacerated	558	5	Lacerated (ripped)
lacerated	559	5	Lacerated (ripped)
laceration	1020	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
laminated	1015	60	Left side glass (laminated) reinforced b
lancia	307	40	Lancia
land rover	307	62	Land Rover
lane	382	2	Decelerating in traffic lane
lane	383	10	Over the lane line on left side of trave
lane	385	1	Stayed in original travel lane
lane	388	5	Not physically divided with two way left
lane	389	*	NUMBER OF TRAVEL LANES
lap	814	15	Front seat - on/in lap of another occupa
lap	822	3	Lap belt
lap	823	3	Lap belt
lap	828	5	Child Protector - lap and shoulder belt
lap	834	3	Lap belt
largest	207	5	Largest (wheelbase => 291 cm)
largest	210	5	Largest (wheelbase => 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	896	*	SEAT - LATCH ANCHOR
latch	897	*	SEAT - LATCH TETHER
latch	1015	572	Seat latch points for child restraint
latchplate	824	3	Broken buckle or latchplate
latchplate	1015	272	Child safety seat harness system, (ie, h
lateral	360	8	Rollover -- end-over-end (i.e., primaril
lateral	371	*	LAT COMPONENT DELTA-V
lateral	510	*	LONG/LAT LOCATION (1)
lateral	511	*	VERT/LAT LOCATION (1)
lateral	515	*	LONG/LAT LOC (1)-NUMERIC

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Item	Var	CV	Variable Name or Code Value
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	384	3	Skidding laterally clockwise rotation
latino	405	1	Hispanic or Latino
latino	812	1	Hispanic or Latino
lay	1008	5	Lay coroner report
leak	560	*	LOCATION OF FUEL 1 LEAK
leak	561	*	LOCATION OF FUEL 2 LEAK
leakage	560	1	No fuel leakage
leakage	561	1	No fuel leakage
leakage	564	1	Yes, no damage to any tank or filler cap
least	367	4	At least one vehicle is beyond the scope
least	842	4	More than one previous crash with at lea
least	856	4	More than one previous crash with at lea
least	863	4	More than one previous crash with at lea
least	870	4	More than one previous crash with at lea
least	877	4	More than one previous crash with at lea
leaving	382	8	Leaving a parking position
left	208	3	(L) Left Side
left	211	3	(L) Left Side
left	360	2	Roll left - primarily about longitudinal
left	382	11	Turning left
left	383	10	Over the lane line on left side of trave
left	385	2	Stayed on roadway but left original trav
left	386	6	Steering left
left	388	5	Not physically divided with two way left
left	390	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 a
left	555	2	Aft of center of the rear wheels (rear a
left	556	2	Aft of center of the rear wheels (rear a
left	557	2	Aft of center of the rear wheels (rear a
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

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	814	11	Front seat - left side (driver's side)
left	817	2	Left front
left	1010	2	Left
left	1015	21	Left instrument panel
leg	1019	12	L - Leg (lower)
length	323	*	VIN LENGTH
lense	881	3	Contact lenses
lesion	1020	*	OIC - LESION
level	391	1	Level
level	1011	6	Head - LOC (Level of Consciousness)
level	1013	*	LEVEL OF INJURY
level	1016	*	CONFIDENCE LEVEL
lever	1015	7	Steering column, transmission selector 1
lexus	307	59	Lexus
ligaments	1011	4	Organs (includes muscles/ligaments)
light	207	45	Other light truck (<= 4,536 kgs GVWR)
light	210	45	Other light truck (<= 4,536 kgs GVWR)
light	309	39	Unknown (pickup style) light conventiona
light	339	*	DAYTIME RUNNING LIGHTS
light	354	39	Unknown (pickup style) light conventiona
light	358	70	Passenger car, light truck, van or other
light	394	*	LIGHT CONDITIONS
light	507	70	Passenger car, light truck, van or other
light	519	70	Passenger car, light truck, van or other
lighted	394	3	Dark, but lighted
limb	1019	24	X - Upper limb(s) (whole or unknown part
limit	375	*	SPEED LIMIT (KMPH)
limited	383	74	From entrance to limited access highway
limousine	309	12	Large limousine - more than four side do
limousine	354	12	Large limousine - more than four side do
lincoln	307	13	Lincoln
line	383	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	381	5	While talking or listening to cellular p
live	820	3	Could not exit vehicle due to external c
liver	1021	12	L - Liver
lng	562	5	LNG (Liquid Natural Gas)
lng	563	5	LNG (Liquid Natural Gas)

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
locks	888	3	Seat back folding locks or "seat back" f
longitudinal	360	1	Roll right - primarily about longitudina
longitudinal	370	*	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	847	*	AB ASSOC LONG DELTA-V
longitudinally	384	2	Skidding longitudinally rotation less th
look	815	4	Sitting sideways or turned to talk with
looked	381	2	Looked but did not see
loose	1015	161	Interior loose objects
los	752	*	POST-CRASH INTEGRITY LOS
loss-of-control	384	7	Other vehicle loss-of-control
low	341	4	D - Turbo low HP
low	366	3	Collision fits model - results appear lo
lower	341	1	A - Lower HP
lower	383	51	Traveling in same direction with lower o
lower	707	36	Door/forward lower quadrant
lower	711	36	Door/forward lower quadrant
lower	715	36	Door/forward lower quadrant
lower	719	36	Door/forward lower quadrant
lower	723	36	Door/forward lower quadrant
lower	727	36	Door/forward lower quadrant
lower	731	36	Door/forward lower quadrant
lower	735	36	Door/forward lower quadrant
lower	739	36	Door/forward lower quadrant
lower	743	36	Door/forward lower quadrant
lower	750	6	Lower half of rim/spoke
lower	1009	8	Lower Extremity
lower	1010	8	Inferior/lower
lower	1015	24	Left lower instrument panel (includes kn
lower	1019	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	1021	16	P - Pulmonary - lungs
lying	815	2	Lying on or across seat
mack	307	86	Mack
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)

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
magnitude	744	*	INTRUSION MAGNITUDE (10)
maintenance	844	*	AIR BAG MAINTENANCE
maintenance	853	*	AIRBAG MAINTENANCE (1)
maintenance	860	*	AIRBAG MAINTENANCE (2)
maintenance	867	*	AIRBAG MAINTENANCE (3)
maintenance	874	*	AIRBAG MAINTENANCE (4)
major	550	2	Major
make	307	*	VEHICLE MAKE
make	308	*	MAKE/MODEL
make	325	*	VIN MAKE
make	890	*	CHILD SEAT MAKE/MODEL
male	808	1	Male
malfunction	824	*	MANUAL BELT MALFUNCTION
maneuver	362	*	PRE ROLLOVER MANEUVER
maneuver	382	17	Successful avoidance maneuver to a previ
maneuver	386	*	ATTEMPTED AVOID MANEUVER
manner	118	*	MANNER OF COLLISION
manual	329	2	Manual sun / moon roof
manual	330	2	Manual sun / moon roof
manual	331	2	Manual sun / moon roof
manual	338	1	A - Active (manual) belts
manual	822	*	MANUAL BELT AVAILABILITY
manual	823	*	MANUAL BELT USE
manual	824	*	MANUAL BELT MALFUNCTION
manual	825	0	No manual shoulder belt
manual	826	*	MANUAL BELT PRETENSIONER
manual	827	*	MANUAL BELT HISTORY
manually	831	2	Automatic belt not in use (manually disc
manufacturer	549	0	No post manufacturer modifications
manufacturer	843	1	Original manufacturer installed system
manufacturer	855	1	Original manufacturer install
manufacturer	862	1	Original manufacturer install
manufacturer	869	1	Original manufacturer install
manufacturer	876	1	Original manufacturer install
maplight	1015	206	Roof maplight/console
march	106	3	March
match	826	8	No match from SEATLOC file
match	827	8	No match from SEATLOC file
match	828	88	No match from SEATLOC file
match	829	8	No match from SEATLOC file
match	852	0	No AIRBAG record match
match	853	7	No AIRBAG record match
match	854	0	No AIRBAG record match
match	855	0	No AIRBAG record match
match	856	6	No AIRBAG record match
match	857	7	No AIRBAG record match
match	858	5	No AIRBAG record match
match	859	0	No AIRBAG record match
match	860	7	No AIRBAG record match
match	861	0	No AIRBAG record match
match	862	0	No AIRBAG record match
match	863	6	No AIRBAG record match
match	864	7	No AIRBAG record match
match	865	5	No AIRBAG record match
match	866	0	No AIRBAG record match
match	867	7	No AIRBAG record match
match	868	0	No AIRBAG record match

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
match	869	0	No AIRBAG record match
match	870	6	No AIRBAG record match
match	871	7	No AIRBAG record match
match	872	5	No AIRBAG record match
match	873	0	No AIRBAG record match
match	874	7	No AIRBAG record match
match	875	0	No AIRBAG record match
match	876	0	No AIRBAG record match
match	877	6	No AIRBAG record match
match	878	7	No AIRBAG record match
match	879	5	No AIRBAG record match
match	883	8	No SEATLOC record match
match	896	8	No match from SEATLOC file
match	897	8	No match from SEATLOC file
maximum	111	*	MAXIMUM TREATMENT
maximum	112	*	MAXIMUM KNOWN AIS
maximum	406	*	MAXIMUM TREATMENT
maximum	407	*	MAXIMUM KNOWN AIS
maximum	911	*	MAXIMUM KNOWN AIS
maximum	912	75	Maximum ISS
maximum	1014	6	Maximum (untreatable)
may	106	5	May
mazda	307	41	Mazda
measure	749	98	Cannot measure
measured	910	1	Injured - ABGs not measured or reported
mechanically	820	1	Entrapped/pinned - mechanically restrain
median	357	4	On roadside or divided trafficway median
medical	111	8	Transported to a medical facility - unkn
medical	406	8	Transported to a medical facility - unkn
medical	899	8	Transported to a medical facility - unkn
medical	900	*	TYPE OF MEDICAL FACILITY
medical	908	1	Injured - not treated at medical facilit
medical	1008	1	Autopsy records with or without hospital
medium	207	78	Unknown medium/heavy truck type
medium	210	78	Unknown medium/heavy truck type
medium	309	65	Medium/heavy truck based motorhome
medium	351	7	Medium or heavy truck override or underr
medium	352	7	Medium or heavy truck override or underr
medium	354	65	Medium/heavy truck based motorhome
medium	358	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	818	*	EJECTION MEDIUM
medium	819	*	MEDIUM STATUS
mercedes benz	307	42	Mercedes Benz
mercury	307	14	Mercury
merging	382	16	Merging
merkur	307	56	Merkur
metal	209	46	Metal guardrail
metal	358	46	Metal guardrail
metal	507	46	Metal guardrail
metal	519	46	Metal guardrail
metallic	552	1	Metallic
metallic	553	1	Metallic
methanol	342	13	M - Methanol fuel only
methanol	562	6	Methanol (M100 or M85)
methanol	563	6	Methanol (M100 or M85)

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
mg	307	43	MG
mid	825	3	In mid position
mid	852	3	Mid instrument panel
mid	859	3	Mid instrument panel
mid	866	3	Mid instrument panel
mid	873	3	Mid instrument panel
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	814	12	Front seat - middle
middle	886	3	Seat between forward most and middle tra
midnight	109	0	Midnight
midpoint	748	2	Between full back and midpoint
midrange	887	12	Moved to rearward midrange position
military	349	4	Military
mini	207	1	Subcompact/mini (wheelbase < 254 cm)
mini	210	1	Subcompact/mini (wheelbase < 254 cm)
mini	307	65	Mini
minibike	309	88	Other motored cycle (minibike, motorscoo
minibike	354	88	Other motored cycle type (minibike, moto
minivan	207	20	Minivan (<= 4,536 kgs GVWR)
minivan	210	20	Minivan (<= 4,536 kgs GVWR)
minivan	309	20	Minivan (Astro, Caravan, Plymouth Vista,
minivan	354	20	Minivan (Astro, Caravan, Plymouth Vista,
minor	112	1	Minor injury
minor	374	6	Minor
minor	407	1	Minor injury
minor	550	1	Minor
minor	911	1	Minor injury
minor	1014	1	Minor injury
mirror	1015	2	Mirror
miscellaneous	396	8	Miscellaneous/other controls including R
mitsubishi	307	52	Mitsubishi
mobility	821	*	OCCUPANT MOBILITY
mode	904	96	Mode of death given but specific injurie
mode	905	96	Mode of death given but specific injurie
mode	906	96	Mode of death given but specific injurie
model	306	*	MODEL YEAR
model	308	*	MAKE/MODEL
model	324	*	VIN MODEL YEAR
model	326	*	VIN MODEL CARS
model	366	1	Collision fits model - results appear re
model	890	*	CHILD SEAT MAKE/MODEL
moderate	112	2	Moderate injury
moderate	374	7	Moderate
moderate	407	2	Moderate injury
moderate	911	2	Moderate injury
moderate	1014	2	Moderate injury
modes	833	*	AUTO BELT FAILURE MODES
modifications	549	0	No post manufacturer modifications

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
modifications	1015	408	Modifications to seat belts (specify)
modified	549	9	Unknown if vehicle is modified
monday	108	2	Monday
month	106	*	CRASH MONTH
month	808	3	Female - pregnant - 1st trimester (1st-3
moon	329	2	Manual sun / moon roof
moon	330	2	Manual sun / moon roof
moon	331	2	Manual sun / moon roof
moped	309	81	Moped (motorized bicycle)
moped	354	81	Moped (motorized bicycle)
mortality	899	*	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	350	3	Working motor vehicle
motor	383	59	Unknown travel direction of other motor
motor	1015	513	Other exterior of other motor vehicle
motorcycle	309	80	Motorcycle
motorcycle	328	13	M - Motorcycle
motorcycle	343	*	MTRCYCLE ENGINE DISPLACE
motorcycle	354	80	Motorcycle
motored	207	80	Motored cycle
motored	210	80	Motored cycle
motored	309	88	Other motored cycle (minibike, motorscoo
motored	354	88	Other motored cycle type (minibike, moto
motorhome	309	23	Van based motorhome (<= 4,536 kgs GVWR)
motorhome	354	23	Van based motorhome (< 4,536 kgs GVWR)
motorized	309	81	Moped (motorized bicycle)
motorized	354	81	Moped (motorized bicycle)
motorized	831	2	Automatic belt not in use (manually disc
motorized	832	2	Motorized system
motorscooter	309	88	Other motored cycle (minibike, motorscoo
motorscooter	354	88	Other motored cycle type (minibike, moto
mouth	1015	174	Air bag - driver side and object in mout
movement	382	*	PRE-EVENT MOVEMENT
moving	381	4	By moving object in vehicle
moving	393	6	Water (standing,moving)
mud	393	8	Dirt, mud or gravel
multi-stage	549	*	MULTI-STAGE VEHICLE
muscle	1011	4	Organs (includes muscles/ligaments)
muscle	1021	13	M - Muscles
narrow	517	14	N - Narrow impact area
narrow	529	14	N - Narrow impact area
native hawaiian or other	404	4	Native Hawaiian or Other Pacific Islands
native hawaiian/other pa	811	4	Native Hawaiian/Other Pacific Islands
natural	342	3	C - Gasoline engine that can be easily c
natural	562	3	CNG (Compressed Natural Gas)
natural	563	3	CNG (Compressed Natural Gas)
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	1009	3	Neck
neck	1019	14	N - Neck - cervical spine
negotiating	382	14	Negotiating a curve

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
nerves	1011	3	Nerves
nervous	1021	14	N - Nervous system
nickel-cadmium	562	12	Nickel-Cadmium battery
nickel-cadmium	563	12	Nickel-Cadmium battery
nickel-metal	562	15	Nickel-Metal Hydride (NiMH)
nickel-metal	563	15	Nickel-Metal Hydride (NiMH)
nimh	562	15	Nickel-Metal Hydride (NiMH)
nimh	563	15	Nickel-Metal Hydride (NiMH)
nissan/datsun	307	35	Nissan/Datsun
nonadjustable	886	1	Nonadjustable seat track
nonadjustable	887	1	Nonadjustable
nonautomated	351	3	Other nonautomated CDC
nonautomated	352	3	Other nonautomated CDC
noncollision	208	96	(N) Noncollision
noncollision	209	36	Noncollision injury
noncollision	211	96	(N) Noncollision
noncollision	364	997	Noncollision
noncollision	365	997	Noncollision
noncollision	507	36	Noncollision injury
noncollision	519	36	Noncollision injury
noncollision	838	4	Air bag deployed as a result of a noncol
noncollision	840	4	Air bag deployed as a result of a noncol
noncontact	359	6	Noncontact rollover forces (specify)
noncontact	1015	603	Other noncontact injury source
noncontact	1017	3	Noncontact injury
nondeployed	838	7	Nondeployed
nondeployed	840	7	Nondeployed
non-disabling	383	4	Non-disabling vehicle problem (e.g. hood
nonfixed	209	88	Other nonfixed object
nonfixed	358	88	Other nonfixed object (specify)
nonfixed	507	88	Other nonfixed object
nonfixed	519	88	Other nonfixed object
nonfixed	818	2	Nonfixed roof structure
nonhorizontal	364	996	Nonhorizontal impact
nonhorizontal	365	996	Nonhorizontal impact
nonhorizontal	367	6	Other nonhorizontal forces
nonhorizontal	508	0	Nonhorizontal force
nonhorizontal	520	0	Nonhorizontal force
nonhorizontal	568	998	Nonhorizontal impact
nonhorizontal	569	998	Nonhorizontal impact
nonincapacitating	898	2	B - nonincapacitating injury
noninterchange	387	0	Noninterchange area and non-junction
non-interchange	387	5	Unknown type of junction/non-interchange
non-junction	387	0	Noninterchange area and non-junction
nonmetallic	552	2	Nonmetallic
nonmetallic	553	2	Nonmetallic
nonmotorist	209	74	Other nonmotorist
nonmotorist	383	83	Pedalcyclist or other nonmotorist in roa
nonmotorist	507	74	Other nonmotorist or conveyance
nonmotorist	519	74	Other nonmotorist or conveyance
nonmotorized	832	1	Nonmotorized system
non-paved	362	3	Departed roadway (to non-paved surface)
nontransported	899	5	Treatment at scene - nontransported
normal	815	0	Normal posture
norton	307	75	Norton
november	106	11	November
number	101	*	PSU NUMBER

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	368	*	DELTA-V EVENT NUMBER
number	389	*	NUMBER OF TRAVEL LANES
number	408	*	NUM SERIOUSLY INJURED
number	409	*	NUMBER INJURED
number	410	*	NUMBER OF OCCUPANTS
number	411	*	NUMBER OCCUPANT FORMS
number	501	*	PSU NUMBER
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	845	*	AIR BAG EVENT NUMBER
number	854	*	AIRBAG NUMBER (1)
number	861	*	AIRBAG NUMBER (2)
number	868	*	AIRBAG NUMBER (3)
number	875	*	AIRBAG NUMBER (4)
number	907	*	NUM RECORDED INJURIES
number	1001	*	PSU NUMBER
number	1002	*	CASE NUMBER
number	1003	*	RECORD NUMBER
number	1004	*	VERSION NUMBER
number	1005	*	VEHICLE NUMBER

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
number	1006	*	OCCUPANT NUMBER
number	1007	*	INJURY NUMBER
number	1018	*	INTRUSION NUMBER
numeric	514	*	DEFORM LOC (1) - NUMERIC
numeric	526	*	DEFORM LOC (2) - NUMERIC
object	209	*	VEH NUM/OBJ CONTACT (2)
object	358	*	ROLLOVER INIT OBJ CONTAC
object	364	998	Impact with object
object	365	998	Impact with object
object	367	9	Yielding object
object	381	4	By moving object in vehicle
object	383	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	851	2	Object worn by occupant
object	1015	17	Windshield reinforced by exterior object
obtained	402	3	Specimen test given, results unknown or
occupant	113	*	NUM SERIOUSLY INJ OCC
occupant	114	*	NUM INJURED OCCUPANTS
occupant	209	75	Vehicle occupant
occupant	381	3	By other occupant(s)
occupant	410	*	NUMBER OF OCCUPANTS
occupant	411	*	NUMBER OCCUPANT FORMS
occupant	507	75	Vehicle occupant
occupant	519	75	Vehicle occupant
occupant	803	9	Occupant assessment record
occupant	806	*	OCCUPANT NUMBER
occupant	814	15	Front seat - on/in lap of another occupa
occupant	815	4	Sitting sideways or turned to talk with
occupant	821	*	OCCUPANT MOBILITY
occupant	835	3	Driver/occupant interview
occupant	851	2	Object worn by occupant
occupant	884	0	Occupant not seated or no seat
occupant	885	0	Occupant not seated or no seat
occupant	886	0	Occupant not seated or no seat
occupant	887	0	Occupant not seated or no seat
occupant	888	0	Occupant not seated or no seat
occupant	909	*	WAS OCCUPANT GIVEN BLOOD
occupant	1003	10	Occupant injury record
occupant	1006	*	OCCUPANT NUMBER
occupant	1015	160	Other occupants
occupant's	813	*	OCCUPANT'S ROLE
occupant's	814	*	OCCUPANT'S SEAT POSITION
occupant's	815	*	OCCUPANT'S POSTURE
occurrence	550	*	FIRE OCCURRENCE
o'clock	508	1	1 o'clock
o'clock	520	1	1 o'clock

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
october	106	10	October
odometer	751	*	ODOMETER READING
oem	828	97	OEM device
oem	1015	402	Steering control devices (attached to OE
office	900	4	Physician's office
official	835	2	Official injury data
oic	1019	*	OIC - BODY REGION
oic	1020	*	OIC - LESION
oic	1021	*	OIC - SYSTEM ORGAN
oil	393	9	Oil
older	807	97	97 years or older
oldsmobile	307	21	Oldsmobile
operational	607	1	Door/tailgate/hatch remained closed and
operational	608	1	Door/tailgate/hatch remained closed and
operational	609	1	Door/tailgate/hatch remained closed and
operational	610	1	Door/tailgate/hatch remained closed and
operational	611	1	Door/tailgate/hatch remained closed and
operational	612	1	Door operational (no damage)
operational	613	1	Door operational (no damage)
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	383	54	Traveling in opposite direction
optional	330	*	VIN OPTIONAL ROOF 1
optional	331	*	VIN OPTIONAL ROOF 2
optional	339	15	O - Optional
optional	340	5	4 wheel optional
organ	1021	*	OIC - SYSTEM ORGAN
organs	1011	4	Organs (includes muscles/ligaments)
orientation	885	*	SEAT ORIENTATION
orientation	892	*	CHILD SEAT ORIENTATION
oriented	821	1	Removed from vehicle while unconscious o
origin	551	*	ORIGIN OF FIRE
original	385	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	843	1	Original manufacturer installed system
original	855	1	Original manufacturer install
original	862	1	Original manufacturer install
original	869	1	Original manufacturer install
original	876	1	Original manufacturer install
originally	857	1	Originally equipped
originally	864	1	Originally equipped
originally	871	1	Originally equipped
originally	878	1	Originally equipped
ornament	1015	505	Hood ornament
other domestic	307	29	Other domestic
other imports	307	69	Other imports

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
other make	307	98	Other make
other make moped	307	78	Other make moped
other motored cycle	307	79	Other motored cycle
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	381	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	1015	452	Outside hardware (outside mirror, antenn
outward	885	4	Side facing seat (outward)
overhanging	517	1	A - Overhanging structure
overhanging	529	1	A - Overhanging structure
overlapping	367	10	Overlapping damage
override	351	*	FRONT OVERRIDE/UNDERRIDE
override	352	*	REAR OVERRIDE/UNDERRIDE
override	367	8	Severe override
overtaking	382	6	Passing or overtaking another vehicle
overturn	209	31	Overturn - rollover (excludes end-over-e
overturn	355	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	355	0	No rollover (no overturning)
overturning	356	0	No rollover (no overturning)
overturning	357	0	No rollover (no overturning)
padding	1015	271	Child safety seat shell, (ie, shell inte
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

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
pan	1015	251	Floor including toe pan
panel	309	11	Auto based panel (cargo station wagon, a
panel	329	4	Removable panels
panel	330	4	Removable panels
panel	331	4	Removable panels
panel	354	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	852	2	Top instrument panel
panel	859	2	Top instrument panel
panel	866	2	Top instrument panel
panel	873	2	Top instrument panel
panel	1015	15	Windshield + 1 or more from: front heade
par	834	*	PAR RESTRAINT USE
parked	382	7	Disabled or parked in travel lane
parking	382	8	Leaving a parking position
parking	383	64	From parking lane
parking	1015	253	Parking brake handle
part	1019	24	X - Upper limb(s) (whole or unknown part
partial	344	2	Partial inspection - other
partial	816	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
partially	646	3	Partially opened
partially	647	3	Partially opened
partially	648	3	Partially opened
partially	887	13	Moved to partially rearward position
parts	551	3	Fuel tank (and other fuel retention syst
passenger	207	9	Unknown passenger car size
passenger	210	9	Unknown passenger car size
passenger	328	16	P - Passenger vehicle
passenger	338	2	B - Driver front air bag / passenger sid
passenger	358	70	Passenger car, light truck, van or other
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	813	2	Passenger
passenger	888	6	Deformed by passenger compartment intrus
passenger	1015	180	Air bag - passenger side
passing	382	6	Passing or overtaking another vehicle
passing	383	17	Crossing over (passing through) intersec
passive	338	4	D - Driver front air bag / passenger sid
passive	831	*	AUTO (PASSIV) SYSTEM USE
path	383	66	From crossing street, across path

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
paved	357	2	On shoulder - paved
paved	362	2	Departing roadway (to paved surface)
pdof1-clock	568	*	PDOF1-CLOCK DEGREES
pdof2-clock	569	*	PDOF2-CLOCK DEGREES
pedalcyclist	383	83	Pedalcyclist or other nonmotorist in roa
pedestal	884	8	Pedestal (i.e., column supported)
pedestrian	209	72	Pedestrian
pedestrian	383	80	Pedestrian in roadway
pedestrian	507	72	Pedestrian
pedestrian	519	72	Pedestrian
pelvis	1019	16	P - Pelvis - hip
perceived	821	2	Removed from vehicle due to perceived se
perforation	1020	16	P - Perforation, puncture
performance	341	8	H - Unknown, high performance rating cod
performance	888	*	SEAT PERFORMANCE
person	381	12	Distracted by outside person, object, or
personnel	1008	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	381	5	While talking or listening to cellular p
photos	344	5	Partial inspection - photos only
physically	388	4	Not physically divided (two way traffic)
physician	1008	4	Private physician - walk-in or emergency
physician's	900	4	Physician's office
pickup	207	30	Compact pickup truck (<= 4,536 kgs GVWR)
pickup	210	30	Compact pickup truck (<= 4,536 kgs GVWR)
pickup	309	10	Auto based pickup (includes El Camino, C
pickup	354	10	Auto based pickup (includes El Camino, C
pickup	817	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
pillar	616	5	Door support (i.e., pillar, sill, roof s
pillar	1015	55	Other left pillar
pinned	820	1	Entrapped/pinned - mechanically restrain
plane	359	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	354	20	Minivan (Astro, Caravan, Plymouth Vista,
points	848	3	Deployed, unknown if flaps/seams opened
points	1015	572	Seat latch points for child restraint
pole	209	45	Breakaway pole or post (any diameter)
pole	358	45	Breakaway pole or post (any diameter)

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
pole	380	*	POST COLL TREE/POLE COND
pole	507	45	Breakaway pole or post (any diameter)
pole	519	45	Breakaway pole or post (any diameter)
pole	1015	598	Other object (tree, pole, traffic barrie
police	349	5	Police
police	834	1	Police did not indicate belt use
police	836	*	AIR BAG AVAIL/FUN POLICE
police	1008	9	Police
pontiac	307	22	Pontiac
poor	383	5	Poor road conditions (puddle, pothole, i
porsche	307	45	Porsche
position	382	8	Leaving a parking position
position	814	*	OCCUPANT'S SEAT POSITION
position	815	6	Lying back in a reclined seat position
position	825	2	In full upright position
position	886	2	Seat at forward most track position
position	887	11	Moved to completely rearward position
positioning	828	*	BELT POSITIONING DEVICE
positive	388	1	Divided trafficway-median strip without
possible	898	1	C - possible injury
possible	1016	3	Possible
post	209	45	Breakaway pole or post (any diameter)
post	358	45	Breakaway pole or post (any diameter)
post	380	*	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
post-crash	752	*	POST-CRASH INTEGRITY LOS
post-crash	851	94	Post-crash damage
posterior	1010	6	Posterior/back/dorsal
posture	815	*	OCCUPANT'S POSTURE
pothole	383	5	Poor road conditions (puddle, pothole, i
pound	332	216	216 pounds
pound	334	1	6,000 lbs & under
power	329	3	Power sun / moon roof
power	330	3	Power sun / moon roof
power	331	3	Power sun / moon roof
power	821	4	Exited from vehicle under own power
powered	342	3	C - Gasoline engine that can be easily c
powered	552	0	No fuel tank (electric/solar powered veh
powered	553	0	No fuel tank (electric/solar powered veh
precrash	383	*	CRITICAL PRECRASH EVENT
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-crash	383	98	Other critical pre-crash event
pre-crash	384	9	Pre-crash stability unknown
pre-event	382	*	PRE-EVENT MOVEMENT
pregnant	808	2	Female - not reported pregnant
pre-impact	384	*	PRE-IMPACT STABILITY
pre-impact	385	*	PRE-IMPACT LOCATION
pre-impact	887	14	Retained pre-impact position

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
presence	398	*	DRIVER PRESENCE
presence	399	*	ALCOHOL PRESENCE
presence	401	*	OTHER DRUG PRESENCE
pretensioner	826	*	MANUAL BELT PRETENSIONER
previous	382	17	Successful avoidance maneuver to a previ
previous	842	*	AB DEPLOY/PREVIOUS CRASH
previous	856	*	AIRBAG PREVIOUS CRASH(1)
previous	863	*	AIRBAG PREVIOUS CRASH(2)
previous	870	*	AIRBAG PREVIOUS CRASH(3)
previous	877	*	AIRBAG PREVIOUS CRASH(4)
primarily	360	1	Roll right - primarily about longitudina
principal	359	*	PRIN TRIP FORCE APPLIED
private	1008	4	Private physician - walk-in or emergency
probable	1016	2	Probable
problem	383	4	Non-disabling vehicle problem (e.g. hood
profile	391	*	ROADWAY PROFILE
program	367	1	Reconstruction program - damage only rou
propane	342	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
protection	880	*	ROLLOVER PROTECTION
protector	828	5	Child Protector - lap and shoulder belt
protrusion	1015	509	Other side protrusions
psu	101	*	PSU NUMBER
psu	120	*	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
psu	1001	*	PSU NUMBER
puddle	383	5	Poor road conditions (puddle, pothole, i
pulmonary	1021	16	P - Pulmonary - lungs
pump	560	5	Lines / pump / filter
pump	561	5	Lines / pump / filter
puncture	1020	16	P - Perforation, puncture
punctured	558	4	Punctured
punctured	559	4	Punctured
quadrant	707	35	Door/forward upper quadrant
quadrant	711	35	Door/forward upper quadrant
quadrant	715	35	Door/forward upper quadrant
quadrant	719	35	Door/forward upper quadrant
quadrant	723	35	Door/forward upper quadrant
quadrant	727	35	Door/forward upper quadrant
quadrant	731	35	Door/forward upper quadrant
quadrant	735	35	Door/forward upper quadrant
quadrant	739	35	Door/forward upper quadrant
quadrant	743	35	Door/forward upper quadrant
quadrant	1015	73	Left forward upper quadrant
quarter	355	1	Rollover - one quarter turn only
race	404	*	DRIVER'S RACE
race	811	*	RACE
rack	1015	302	Backlight storage rack, door, etc.
radio	381	8	While adjusting radio, cassette, CD (spe
radio	1015	8	Cellular telephone or CB radio
rail	612	5	Door support (i.e., pillar, sill, roof s

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	852	7	Roof side rail
rail	859	7	Roof side rail
rail	866	7	Roof side rail
rail	873	7	Roof side rail
rail	1015	59	Left side window glass + 1 or more from:
railway	209	77	Railway vehicle
railway	358	77	Railway vehicle
railway	507	77	Railway vehicle
railway	519	77	Railway vehicle
rain	395	12	Rain
raised	1015	410	Raised roof
ram	309	15	Large utility (includes Jeep Cherokee, R
ram	354	15	Large utility (includes Jeep Cherokee, R
rambler	308	+	Rambler/American
ratio	116	*	RATIO INFLATION FACTOR
reaching	381	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	338	20	T - Dual air bags front / active belts /
rear	340	3	Rear only standard
rear	352	*	REAR OVERRIDE/UNDERRIDE
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
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 A-pillar (A1/A2)
rear	711	12	Side panel - rear of A-pillar (A1/A2)
rear	715	12	Side panel - rear of A-pillar (A1/A2)
rear	719	12	Side panel - rear of A-pillar (A1/A2)
rear	723	12	Side panel - rear of A-pillar (A1/A2)
rear	727	12	Side panel - rear of A-pillar (A1/A2)
rear	731	12	Side panel - rear of A-pillar (A1/A2)
rear	735	12	Side panel - rear of A-pillar (A1/A2)
rear	739	12	Side panel - rear of A-pillar (A1/A2)
rear	743	12	Side panel - rear of A-pillar (A1/A2)
rear	815	4	Sitting sideways or turned to talk with
rear	817	4	Left rear
rear	885	2	Rear facing seat
rear	886	5	Seat between middle and rear most track

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
rear	892	1	Rear facing
rear	1015	63	Left side panel rear of the B-pillar
rear-end	118	1	Rear-end
rearward	887	11	Moved to completely rearward position
reasonable	366	1	Collision fits model - results appear re
reasons	821	8	Removed from vehicle for other reasons
reclined	815	6	Lying back in a reclined seat position
reconstruct	366	*	RECONSTRUCT CONFIDENCE
reconstruction	366	0	No reconstruction
reconstruction	367	1	Reconstruction program - damage only rou
reconstruction	374	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	1003	*	RECORD NUMBER
recorded	110	*	NUM EVENTS RECORDED
recorded	907	*	NUM RECORDED INJURIES
recovery	560	6	Vent / emission recovery
recovery	561	6	Vent / emission recovery
reduced	1015	405	Replacement steering wheel (ie reduced d
refused	400	95	Test refused
regardless	367	4	At least one vehicle is beyond the scope
region	1009	*	BODY REGION - AIS90
region	1010	0	Whole region
region	1019	*	OIC - BODY REGION
region	1021	23	W - All systems in region
regulatory	396	5	Other regulatory sign
reinforced	1015	17	Windshield reinforced by exterior object
reinstalled	837	3	Air bag not reinstalled
reinstalled	839	3	Air bag not reinstalled
reinstalled	855	70	No air bag available for this crash (dis
reinstalled	862	70	No air bag available for this crash (dis
reinstalled	869	70	No air bag available for this crash (dis
reinstalled	876	70	No air bag available for this crash (dis
related	381	14	Smoking related (specify)
related	387	1	Interchange area related
relation	387	*	RELATION TO INTERCHANGE
released	111	4	Transported and released
released	406	4	Transported and released
released	899	4	Transported and released
releasing	386	5	Releasing brakes
relocated	1015	409	Additional or relocated switches (specif
removable	329	4	Removable panels
removable	330	4	Removable panels
removable	331	4	Removable panels
renault	307	46	Renault
rendered	830	4	Automatic belts destroyed or rendered in
rendered	831	0	Not equipped/not available/destroyed or
rendered	832	0	Not equipped/not available/destroyed or
rendered	833	0	Not equipped/not available/destroyed or
rendered	835	0	Not equipped/not available/destroyed or
renegade	309	14	Compact utility (includes Jeep CJ-2 thru
renegade	354	14	Compact utility (includes Jeep CJ-2 thru

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
repaired	344	1	Vehicle fully repaired - no damage evide
replaced	380	7	Pole replaced
replacement	843	3	Replacement air bag
replacement	855	3	Replacement air bag
replacement	862	3	Replacement air bag
replacement	869	3	Replacement air bag
replacement	876	3	Replacement air bag
replacement	1015	405	Replacement steering wheel (ie reduced d
report	904	*	CAUSE OF DEATH-1-MED REP
report	905	*	CAUSE OF DEATH-2-MED REP
report	906	*	CAUSE OF DEATH-3-MED REP
report	1008	3	Emergency room records only (including a
reported	399	7	Not reported
reported	401	7	Not reported
reported	808	2	Female - not reported pregnant
reported	910	1	Injured - ABGs not measured or reported
rescue	309	40	Cab chassis based (includes rescue vehic
rescue	354	40	Cab chassis based (includes rescue vehic
rescue	851	7	Rescue or emergency efforts
resident	403	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	1021	18	R - Respiratory
rest	1015	411	Wall mounted head rest (used behind whee
restrained	820	1	Entrapped/pinned - mechanically restrain
restraint	338	*	VIN RESTRAINT TYPE
restraint	830	*	AUTO RESTRAINT AVAILABLE
restraint	831	4	Automatic belt used with child restraint
restraint	834	*	PAR RESTRAINT USE
restraint	882	*	HEAD RESTRAINT TYPE/DAM
restraint	883	*	HEAD RESTRAINT ACTIVE
restraint	1015	152	Belt restraint webbing/buckle
retained	887	14	Retained pre-impact position
retainer	1015	272	Child safety seat harness system, (ie, h
retention	551	3	Fuel tank (and other fuel retention syst
retractable	329	6	Retractable roof panel
retractable	330	6	Retractable roof panel
retractable	331	6	Retractable roof panel
retractor	824	6	Broken retractor
retractor	826	2	Retractor type actuated
retro	857	2	Retro fit
retro	864	2	Retro fit
retro	871	2	Retro fit
retro	878	2	Retro fit
retrofitted	843	2	Retrofitted air bag
retrofitted	855	2	Retrofitted air bag
retrofitted	862	2	Retrofitted air bag
retrofitted	869	2	Retrofitted air bag
retrofitted	876	2	Retrofitted air bag
returned	385	6	Returned to roadway
returning	362	4	Returning to roadway (from paved surface
ride	828	11	Comfort Ride - shoulder belt adjuster
right	208	2	(R) Right Side
right	211	2	(R) Right Side
right	360	1	Roll right - primarily about longitudina
right	382	10	Turning right
right	383	11	Over the lane line on right side of trav

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
right	386	7	Steering right
right	390	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	814	13	Front seat - right side
right	817	3	Right front
right	1010	1	Right
right	1015	23	Right instrument panel
rim	749	*	RIM/SPOKE DEFORMATION
rim	750	*	RIM/SPOKE DEF LOCATION
rim	1015	4	Steering wheel rim
ripped	558	5	Lacerated (ripped)
ripped	559	5	Lacerated (ripped)
road	383	5	Poor road conditions (puddle, pothole, i
roadside	357	4	On roadside or divided trafficway median
roadway	357	1	On roadway
roadway	362	2	Departing roadway (to paved surface)
roadway	383	80	Pedestrian in roadway
roadway	385	2	Stayed on roadway but left original trav
roadway	390	*	ROADWAY ALIGNMENT
roadway	391	*	ROADWAY PROFILE
roadway	392	*	ROADWAY SURFACE TYPE
roadway	393	*	ROADWY SURFACE CONDITION
role	813	*	OCCUPANT'S ROLE
roll	360	*	DIRECTION OF INITIAL ROL
roll-bar	1015	208	Roll-bar
rollover	209	31	Overturn - rollover (excludes end-over-e
rollover	355	*	ROLLOVER
rollover	356	*	ROLLOVER INITIATION TYPE
rollover	357	*	LOCATION OF ROLLOVER INI
rollover	358	*	ROLLOVER INIT OBJ CONTAC
rollover	359	0	No rollover

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
rollover	360	0	No rollover
rollover	361	*	INTERRUPTED ROLLOVER
rollover	362	*	PRE ROLLOVER MANEUVER
rollover	363	*	DISTANCE OF ROLLOVER
rollover	367	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)
rollover	880	*	ROLLOVER PROTECTION
roof	329	*	VIN ROOF
roof	330	*	VIN OPTIONAL ROOF 1
roof	331	*	VIN OPTIONAL ROOF 2
roof	354	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	817	7	Roof
roof	818	2	Nonfixed roof structure
roof	852	7	Roof side rail
roof	859	7	Roof side rail
roof	866	7	Roof side rail
roof	873	7	Roof side rail
roof	1015	59	Left side window glass + 1 or more from:
room	1008	2	Hospital/medical records other than emer
rotation	384	2	Skidding longitudinally rotation less th
routine	367	1	Reconstruction program - damage only rou
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	1015	164	Center console - first row
royal	309	21	Large van (Sportsman, Royal, Ram, Chevy
royal	354	21	Large van (Sportsman, Royal, Ram, Chevy
ruled	111	2	Fatal - ruled disease
ruled	406	2	Fatal - ruled disease
ruled	899	2	Fatal, ruled disease

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
ruled	903	96	Fatal, ruled disease
ruled	904	97	Other result (includes fatal ruled disea
ruled	905	97	Other result (includes fatal ruled disea
ruled	906	97	Other result (includes fatal ruled disea
running	339	*	DAYTIME RUNNING LIGHTS
rupture	1020	18	R - Rupture
ruptured	850	2	Ruptured
saab	307	47	Saab
safari	309	20	Minivan (Astro, Caravan, Plymouth Vista,
safari	354	20	Minivan (Astro, Caravan, Plymouth Vista,
safefit	828	6	SafeFit - shoulder belt adjuster
safer	828	10	Child Safer - shoulder belt adjuster
safety	633	15	AS-6 - Flexible plastic safety glazing
safety	634	15	AS-6 - Flexible plastic safety glazing
safety	635	15	AS-6 - Flexible plastic safety glazing
safety	636	15	AS-6 - Flexible plastic safety glazing
safety	637	15	AS-6 - Flexible plastic safety glazing
safety	638	15	AS-6 - Flexible plastic safety glazing
safety	639	15	AS-6 - Flexible plastic safety glazing
safety	640	15	AS-6 - Flexible plastic safety glazing
safety	823	12	Shoulder belt used with child safety sea
safety	834	6	Child safety seat
safety	890	+	No child safety seat
safety	891	0	No child safety seat
safety	892	0	No child safety seat
safety	893	0	No child safety seat
safety	894	0	No child safety seat
safety	895	0	No child safety seat
safety	1015	271	Child safety seat shell, (ie, shell inte
sag	391	5	Sag
sand	393	7	Sand
sand	395	17	Blowing sand, soil, dirt
saturday	108	7	Saturday
saturn	307	24	Saturn
scale	908	*	GLASGOW COMA SCALE SCORE
scene	111	5	Treatment at scene
scene	406	5	Treatment at scene, not transported
scene	899	5	Treatment at scene - nontransported
school	207	24	Van based school bus (<= 4,536 kgs GVWR)
school	210	24	Van based school bus (<= 4,536 kgs GVWR)
school	309	24	Van based school bus (<= 4,536 kgs GVWR)
school	349	2	Vehicle used as school bus
school	354	24	Van based school bus (< 4,536 kgs GVWR)
school	396	4	School zone sign
scope	367	4	At least one vehicle is beyond the scope
score	908	*	GLASGOW COMA SCALE SCORE
score	912	*	INJURY SEVERITY SCORE
scout	309	15	Large utility (includes Jeep Cherokee, R
scout	354	15	Large utility (includes Jeep Cherokee, R
scrapped	558	6	Abraded (scrapped)
scrapped	559	6	Abraded (scrapped)
seam	558	2	Deformed, no seam failure
seam	559	2	Deformed, no seam failure
seams	848	3	Deployed, unknown if flaps/seams opened
seat	707	20	Front seat back
seat	711	20	Front seat back
seat	715	20	Front seat back

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	814	*	OCCUPANT'S SEAT POSITION
seat	815	1	Kneeling or standing on seat
seat	823	12	Shoulder belt used with child safety sea
seat	828	8	Seat Belt Adjuster - shoulder belt adjus
seat	829	*	SEAT - INTEGRATED BELTS
seat	834	6	Child safety seat
seat	852	5	Seat back
seat	859	5	Seat back
seat	866	5	Seat back
seat	873	5	Seat back
seat	884	*	SEAT TYPE
seat	885	*	SEAT ORIENTATION
seat	886	*	SEAT TRACK
seat	887	*	SEAT BACK INCLINE
seat	888	*	SEAT PERFORMANCE
seat	889	*	CHILD SEAT USED
seat	890	*	CHILD SEAT MAKE/MODEL
seat	891	*	CHILD SEAT TYPE
seat	892	*	CHILD SEAT ORIENTATION
seat	893	*	CHILD SEAT HARNESS USE
seat	894	*	CHILD SEAT SHIELD USE
seat	895	*	CHILD SEAT TETHER USE
seat	896	*	SEAT - LATCH ANCHOR
seat	897	*	SEAT - LATCH TETHER
seat	1015	151	Seat, back support
seatback	1015	575	Seatback trays
seated	884	0	Occupant not seated or no seat
seated	885	0	Occupant not seated or no seat
seated	886	0	Occupant not seated or no seat
seated	887	0	Occupant not seated or no seat
seated	888	0	Occupant not seated or no seat
section	750	1	Section A
sedan	309	2	2-door sedan, hardtop, coupe
sedan	354	2	2-door sedan, hardtop, coupe
see	381	2	Looked but did not see
selector	1015	7	Steering column, transmission selector 1
sensor	338	18	R - Dual air bags front and side / activ
separate	884	4	Bench with separate back cushions
separated	380	6	Separated pole from base
separated	824	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	1020	7	G - Detachment, separation
september	106	9	September
sequence	205	*	EVENT SEQUENCE NUMBER
sequence	361	1	Yes, rollover sequence was interrupted
sequence	506	*	CRASH SEQUENCE (1)
sequence	518	*	CRASH SEQUENCE (2)
sequence	838	4	Air bag deployed as a result of a noncol
sequence	840	4	Air bag deployed as a result of a noncol

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
series	333	*	VINA SERIES TRUCK
series	336	98	Some vehicles of this series (*)
series	337	98	Some vehicles of this series (*)
serious	112	3	Serious injury
serious	407	3	Serious injury
serious	821	2	Removed from vehicle due to perceived se
serious	911	3	Serious injury
serious	1014	3	Serious injury
seriously	113	*	NUM SERIOUSLY INJ OCC
seriously	408	*	NUM SERIOUSLY INJURED
services	349	8	Emergency services vehicle
setting	858	*	AIRBAG SWITCH SETTING(1)
setting	865	*	AIRBAG SWITCH SETTING(2)
setting	872	*	AIRBAG SWITCH SETTING(3)
setting	879	*	AIRBAG SWITCH SETTING(4)
severance	1020	5	E - Total severance, transection
severe	112	4	Severe injury
severe	353	998	Not applicable (most severe impact not w
severe	354	98	Not applicable (most severe impact not w
severe	367	8	Severe override
severe	374	8	Severe
severe	395	16	Severe crosswinds
severe	407	4	Severe injury
severe	911	4	Severe injury
severe	1014	4	Severe injury
severity	112	7	Injured, unknown severity
severity	407	7	Injured, unknown severity
severity	565	998	No highest severity end plane impact
severity	898	*	INJURY SEVERITY
severity	911	7	Injured, unknown severity
severity	912	*	INJURY SEVERITY SCORE
severity	1014	*	AIS SEVERITY
sex	808	*	SEX
sheared	380	2	Cracked/sheared
shell	1015	271	Child safety seat shell, (ie, shell inte
shield	891	4	Booster seat - with shield
shield	894	*	CHILD SEAT SHIELD USE
shield	1015	272	Child safety seat harness system, (ie, h
shoulder	357	2	On shoulder - paved
shoulder	822	2	Shoulder belt
shoulder	823	2	Shoulder belt
shoulder	825	*	SHOULDER BELT ANCHOR ADJ
shoulder	828	1	Buckle Buddy - shoulder belt adjuster
shoulder	834	2	Shoulder belt
shoulder	1019	19	S - Shoulder
shroud	1015	574	Engine shroud/cover
shrubby	209	43	Shrubby or bush
shrubby	358	43	Shrubby or bush
shrubby	507	43	Shrubby or bush
shrubby	519	43	Shrubby 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	338	2	B - Driver front air bag / passenger sid
side	354	12	Large limousine - more than four side do
side	359	2	Side plane
side	383	10	Over the lane line on left side of trave

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
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)
side	814	11	Front seat - left side (driver's side)
side	852	7	Roof side rail
side	859	7	Roof side rail
side	866	7	Roof side rail
side	873	7	Roof side rail
side	885	3	Side facing seat (inward)
side	1015	15	Windshield + 1 or more from: front heade
sideswipe	118	5	Sideswipe, same direction
sideswipe	367	7	Sideswipe type damage
sideswipe	517	19	S - Sideswipe
sideswipe	529	19	S - Sideswipe
sideways	815	4	Sitting sideways or turned to talk with
sign	396	2	Stop sign
signal	396	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	1015	58	Left side window sill
single	309	61	Single unit straight truck (4,536 kgs <
single	354	61	Single unit straight truck (4,536 kgs <

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
sitting	815	3	Kneeling, standing or sitting in front o
size	207	4	Full size (wheelbase => 278 but < 291 cm
size	210	4	Full size (wheelbase => 278 but < 291 cm
skeletal	1011	5	Skeletal (includes joints)
skeletal	1021	19	S - Skeletal
skidding	384	2	Skidding longitudinally rotation less th
skin	1011	9	Skin
skull	1019	8	H - Head - skull
slag	392	4	Slag, gravel or stone
sleepy	381	11	Sleepy or fell asleep
sleet	395	13	Sleet/hail (freezing rain or drizzle)
slide-in	309	32	Pickup with slide-in camper
slide-in	354	32	Pickup with slide-in camper
slush	393	4	Slush
smog	395	11	Fog, smog, smoke
smoke	395	11	Fog, smog, smoke
smoking	381	14	Smoking related (specify)
snow	393	3	Snow
snow	395	14	Snow
snowmobile	309	91	Snowmobile
snowmobile	354	91	Snowmobile
soil	395	17	Blowing sand, soil, dirt
solar	552	0	No fuel tank (electric/solar powered veh
solar	553	0	No fuel tank (electric/solar powered veh
source	851	*	AB DAMAGE SOURCE
source	1008	*	INJURY DATA SOURCE
source	1015	*	INJURY SOURCE
source	1017	7	Injured, unknown source
special	349	*	VEHICLE SPECIAL USE
specific	1012	*	SPECIFIC ANATOMIC STRUCT
specified	834	5	Belt used, type not specified
specimen	402	*	OTH DRUG - SPECIMEN TEST
speed	373	*	BARRIER EQUIVALENT SPEED
speed	375	*	SPEED LIMIT (KMPH)
speed	376	*	TRAVEL SPEED (KMPH)
speed	377	*	IMPACT SPEED
speed	383	51	Traveling in same direction with lower o
spinal	1021	3	C - Spinal cord
spine	1009	6	Spine
spine	1019	2	B - Back - thoracolumbar spine
spleen	1021	17	Q - Spleen
split	884	6	Split bench with separate back cushions
spoke	749	*	RIM/SPOKE DEFORMATION
spoke	750	*	RIM/SPOKE DEF LOCATION
spoke	1015	5	Steering wheel hub/spoke
sprain	1020	19	S - Sprain
stability	384	*	PRE-IMPACT STABILITY
stake	309	40	Cab chassis based (includes rescue vehic
stake	354	40	Cab chassis based (includes rescue vehic
stalled	383	2	Stalled engine
standard	339	19	S - Standard
standard	340	2	4 wheel standard
standing	393	6	Water (standing,moving)
standing	815	1	Kneeling or standing on seat
sta-n-place	828	2	Sta-n-Place - shoulder belt adjuster
starting	382	4	Starting in traffic lane
station	207	16	Utility station wagon (<= 4,536 kgs GVWR

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
station	210	16	Utility station wagon (<= 4,536 kgs GVWR
station	309	6	Station Wagon (excluding van and truck b
station	354	6	Station Wagon (excluding van and truck b
status	350	*	TRANSPORT STATUS
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	819	*	MEDIUM STATUS
status	842	8	Previous crashes, unknown deployment sta
status	855	79	Unknown status if air bag available for
status	856	8	Previous crashes, unknown deployment sta
status	858	9	Switch status unknown
status	862	79	Unknown status if air bag available for
status	863	8	Previous crashes, unknown deployment sta
status	865	9	Switch status unknown
status	869	79	Unknown status if air bag available for
status	870	8	Previous crashes, unknown deployment sta
status	872	9	Switch status unknown
status	876	79	Unknown status if air bag available for
status	877	8	Previous crashes, unknown deployment sta
status	879	9	Switch status unknown
statutory	375	0	No statutory limit
stay	901	*	HOSPITAL STAY
stayed	385	1	Stayed in original travel lane
steady	383	51	Traveling in same direction with lower o
steering	386	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
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	852	1	Steering wheel hub
steering	859	1	Steering wheel hub
steering	866	1	Steering wheel hub
steering	873	1	Steering wheel hub
steering	1015	4	Steering wheel rim
step	309	22	Step van or walk-in van (<= 4,536 kgs GV
step	354	22	Step van or walk-in van (< 4,536 kgs GVW
sterling	307	61	Sterling
stone	392	4	Slag, gravel or stone
stopped	376	0	Stopped vehicle or traveling less than 0
stopped	382	5	Stopped in traffic lane

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
stopped	383	50	Other vehicle stopped
storage	1015	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	354	61	Single unit straight truck (4,536 kgs <
straight	382	1	Going straight
straight	390	1	Straight
strain	1020	20	T - Strain
strap	828	4	Shoulder Strap Adjuster - shoulder belt
straps	1015	272	Child safety seat harness system, (ie, h
stratrum	120	*	PSU STRATRUM
stratum	119	*	CASE STRATRUM
street	383	65	From crossing street, turning into same
stretched	309	12	Large limousine - more than four side do
stretched	354	12	Large limousine - more than four side do
stretched	824	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
strip	388	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	818	2	Nonfixed roof structure
structure	819	3	Integral structure
structure	1011	*	TYPE OF ANATOMIC STRUCT
structure	1012	*	SPECIFIC ANATOMIC STRUCT
student	309	50	School bus (designed to carry students,
student	354	50	School bus (designed to carry students,
style	309	39	Unknown (pickup style) light conventiona
style	354	39	Unknown (pickup style) light conventiona
subaru	307	48	Subaru
subcompact	207	1	Subcompact/mini (wheelbase < 254 cm)
subcompact	210	1	Subcompact/mini (wheelbase < 254 cm)
submit	105	*	NUM GEN VEH FORMS SUBMIT
summary	1008	2	Hospital/medical records other than emer
sun	329	2	Manual sun / moon roof
sun	330	2	Manual sun / moon roof
sun	331	2	Manual sun / moon roof
sun	354	1	Convertible (excludes sun roof, t-bar)
sunday	108	1	Sunday
sunglasses	881	2	Eyeglasses/sunglasses
sunroof	309	1	Convertible (excludes sunroof, t-bar)
sunroof	1015	207	Sunroof/components
sunvisor	1015	3	Sunvisor
super	341	26	Z - Unknown super charged
superior	1010	7	Superior/upper
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

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
support	615	5	Door support (i.e., pillar, sill, roof s
support	616	5	Door support (i.e., pillar, sill, roof s
support	1015	151	Seat, back support
supported	884	8	Pedestal (i.e., column supported)
supreme	828	7	SafeFit Supreme - shoulder belt adjuster
surface	362	2	Departing roadway (to paved surface)
surface	392	*	ROADWAY SURFACE TYPE
surface	393	*	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	815	7	Bracing with feet or hands on a surface
surface	1015	453	Other exterior surface or tires
suzuki	307	53	Suzuki
swamp	354	90	ATV (all terrain vehicle including dune/
switch	338	21	U - Dual front air bag / active belts w/
switch	857	*	AIRBAG SWITCH TYPE (1)
switch	858	*	AIRBAG SWITCH SETTING(1)
switch	864	*	AIRBAG SWITCH TYPE (2)
switch	865	*	AIRBAG SWITCH SETTING(2)
switch	871	*	AIRBAG SWITCH TYPE (3)
switch	872	*	AIRBAG SWITCH SETTING(3)
switch	878	*	AIRBAG SWITCH TYPE (4)
switch	879	*	AIRBAG SWITCH SETTING(4)
switches	1015	409	Additional or relocated switches (specif
system	338	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	831	*	AUTO (PASSIV) SYSTEM USE
system	832	*	AUTO BELT SYSTEM TYPE
system	841	*	AIR BAG SYSTEM FAILURE
system	843	1	Original manufacturer installed system
system	1015	154	Other restraint system component
system	1021	*	OIC - SYSTEM ORGAN
tailgate	607	0	No door/tailgate/hatch
tailgate	608	0	No door/tailgate/hatch
tailgate	609	0	No door/tailgate/hatch
tailgate	610	0	No door/tailgate/hatch
tailgate	611	0	No door/tailgate/hatch
tailgate	707	26	Back door/panel (e.g. tailgate)
tailgate	711	26	Back door/panel (e.g. tailgate)
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	818	1	Door/hatch/tailgate

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
talk	815	4	Sitting sideways or turned to talk with
talking	381	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	1015	9	Add-on equipment (e.g., tape deck, air c
taxi	349	1	Taxi
t-bar	309	1	Convertible (excludes sunroof, t-bar)
t-bar	354	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	848	3	Deployed, unknown if flaps/seams opened
technology	753	*	ADAPTIVE TECHNOLOGY
telephone	1015	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)
tempered-with	633	4	AS-2 - Tempered-with after market tint
tempered-with	634	4	AS-2 - Tempered-with after market tint
tempered-with	635	4	AS-2 - Tempered-with after market tint
tempered-with	636	4	AS-2 - Tempered-with after market tint
tempered-with	637	4	AS-2 - Tempered-with after market tint
tempered-with	638	4	AS-2 - Tempered-with after market tint
tempered-with	639	4	AS-2 - Tempered-with after market tint
tempered-with	640	4	AS-2 - Tempered-with after market tint
terrain	309	90	ATV (all terrain vehicle) and ATC (all t
terrain	354	90	ATV (all terrain vehicle including dune/

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
territories	403	1	Driver not a resident of U.S. or territo
test	400	*	ALCOHOL TEST RESULT
test	402	*	OTH DRUG - SPECIMEN TEST
tether	895	*	CHILD SEAT TETHER USE
tether	897	*	SEAT - LATCH TETHER
thermal	851	6	Thermal burns
thigh	1019	20	T - Thigh
thing	309	14	Compact utility (includes Jeep CJ-2 thru
thing	354	14	Compact utility (includes Jeep CJ-2 thru
thirteen	355	13	Rollover - thirteen quarter turns
thoracolumbar	1019	2	B - Back - thoracolumbar spine
thorax	1009	4	Thorax
three-wheel	309	13	Three-wheel automobile or automobile der
three-wheel	354	13	Three-wheel automobile or automobile der
thursday	108	5	Thursday
thyroid	1021	20	T - Thyroid, other endocrine gland
tie-downs	1015	407	Wheelchair tie-downs
tilt	746	2	Tilt column
tilt	747	*	STEERING COLUMN TILT
tilted	380	3	Tilted < 45 degrees
time	109	*	CRASH TIME
time	821	1	Removed from vehicle while unconscious o
time	903	*	TIME TO DEATH
tint	633	4	AS-2 - Tempered-with after market tint
tint	634	4	AS-2 - Tempered-with after market tint
tint	635	4	AS-2 - Tempered-with after market tint
tint	636	4	AS-2 - Tempered-with after market tint
tint	637	4	AS-2 - Tempered-with after market tint
tint	638	4	AS-2 - Tempered-with after market tint
tint	639	4	AS-2 - Tempered-with after market tint
tint	640	4	AS-2 - Tempered-with after market tint
tinted	633	13	AS-3 - Laminated tinted (original)
tinted	634	13	AS-3 - Laminated tinted (original)
tinted	635	13	AS-3 - Laminated tinted (original)
tinted	636	13	AS-3 - Laminated tinted (original)
tinted	637	13	AS-3 - Laminated tinted (original)
tinted	638	13	AS-3 - Laminated tinted (original)
tinted	639	13	AS-3 - Laminated tinted (original)
tinted	640	13	AS-3 - Laminated tinted (original)
tire	359	1	Wheels / tires
tire	383	1	Blow out/flat tire
tire	1015	453	Other exterior surface or tires
toddler	891	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
toe	1015	251	Floor including toe pan
top	208	8	(T) Top
top	211	8	(T) Top
top	514	20	T - Top

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
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	852	2	Top instrument panel
top	859	2	Top instrument panel
top	866	2	Top instrument panel
top	873	2	Top instrument panel
top	1015	205	Roof or convertible top
torn	824	2	Torn webbing (stretched webbing not incl
torn	850	4	Torn
total	367	*	BASIS FOR TOTAL DELTA-V
total	369	*	TOTAL DELTA-V
total	1020	5	E - Total severance, transection
tow	309	40	Cab chassis based (includes rescue vehic
tow	344	4	Partial inspection - non tow
tow	354	40	Cab chassis based (includes rescue vehic
towed	345	0	Not towed due to vehicle damage
towed	348	*	TOWED TRAILING UNIT
towed	547	0	Not towed due to vehicle damage
toyota	307	49	Toyota
track	567	*	ORIGINAL AVE. TRACK WID.
track	831	2	Automatic belt not in use (manually disc
track	886	*	SEAT TRACK
track	888	4	Seat track/anchors failed
tracking	384	1	Tracking
tractor	207	67	Bobtail tractor
tractor	208	5	(D) Back (rear of tractor)
tractor	210	67	Bobtail tractor
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	358	54	Concrete traffic barrier
traffic	382	2	Decelerating in traffic lane
traffic	388	3	One way traffic
traffic	396	*	TRAFFIC CONTROL DEVICE
traffic	397	0	No traffic control(s)
traffic	507	54	Concrete traffic barrier
traffic	519	54	Concrete traffic barrier
traffic	1015	598	Other object (tree, pole, traffic barrie
trafficway	357	4	On roadside or divided trafficway median
trafficway	388	*	TRAFFICWAY FLOW
trafficway-median	388	1	Divided trafficway-median strip without
trailer	208	4	(B) Back or TDC: back of unit with cargo
trailer	209	78	Trailer, disconnected in-transport
trailer	211	4	(B) Back or TDC: back of unit with cargo
trailer	309	67	Truck-tractor with no cargo trailer
trailer	354	67	Truck-tractor with no cargo trailer

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
trailer	358	78	Trailer, disconnected in-transport
trailer	507	78	Trailer, disconnected in-transport
trailer	519	78	Trailer, disconnected in-transport
trailing	348	*	TOWED TRAILING UNIT
trajectory	367	2	Reconstruction program - damage and traj
trajectory	377	998	Trajectory algorithm
trajectory	379	*	TRAJECTORY DATA DOC
transection	1020	5	E - Total severance, transection
transit	309	50	School bus (designed to carry students,
transit	354	50	School bus (designed to carry students,
translated	208	98	(?) Not translated
translated	211	98	(?) Not translated
transmission	1015	7	Steering column, transmission selector 1
transport	350	*	TRANSPORT STATUS
transported	111	4	Transported and released
transported	406	4	Transported and released
transported	899	4	Transported and released
trauma	900	1	Trauma center
travel	376	*	TRAVEL SPEED (KMPH)
travel	382	7	Disabled or parked in travel lane
travel	383	10	Over the lane line on left side of trave
travel	385	1	Stayed in original travel lane
travel	389	*	NUMBER OF TRAVEL LANES
traveling	376	0	Stopped vehicle or traveling less than 0
traveling	383	6	Traveling too fast for conditions
trays	1015	575	Seatback trays
tray-shield	1015	272	Child safety seat harness system, (ie, h
treated	111	8	Transported to a medical facility - unkn
treated	899	8	Transported to a medical facility - unkn
treated	900	0	Not treated at a medical facility
treated	908	1	Injured - not treated at medical facilit
treatment	111	*	MAXIMUM TREATMENT
treatment	406	*	MAXIMUM TREATMENT
treatment	899	*	TREATMENT/MORTALITY
treatment	900	5	Treatment later at medical facility
tree	209	41	Tree (<= 10 cm in diameter)
tree	358	41	Tree (<= 10 centimeters in diameter)
tree	380	*	POST COLL TREE/POLE COND
tree	507	41	Tree (< or = 10 cm in diameter)
tree	519	41	Tree (< or = 10 cm in diameter)
tree	1015	598	Other object (tree, pole, traffic barrie
trimester	808	3	Female - pregnant - 1st trimester (1st-3
trip	359	*	PRIN TRIP FORCE APPLIED
trip-over	356	1	Trip-over
triumph	307	50	Triumph
truck	207	30	Compact pickup truck (<= 4,536 kgs GVWR)
truck	208	4	(B) Back or TDC: back of unit with cargo
truck	210	30	Compact pickup truck (<= 4,536 kgs GVWR)
truck	211	4	(B) Back or TDC: back of unit with cargo
truck	309	6	Station Wagon (excluding van and truck b
truck	328	20	T - Truck
truck	333	*	VINA SERIES TRUCK
truck	334	*	VIN TRUCK WEIGHT CODE
truck	349	7	Fire truck
truck	351	0	No override/underride, or not an end-ove
truck	352	0	No override/underride, or not end-over-e
truck	354	6	Station Wagon (excluding van and truck b

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
truck	358	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	354	67	Truck-tractor with no cargo trailer
trunk	551	5	Cargo/trunk compartment
t-shield	1015	272	Child safety seat harness system, (ie, h
tuesday	108	3	Tuesday
turbo	341	3	C - 1 barrel turbo
turned	815	4	Sitting sideways or turned to talk with
turning	382	10	Turning right
turning	383	15	Turning left at intersection
turn-over	356	3	Turn-over (specify)
turn-over	358	31	Turn-over - fall-over
unconscious	821	1	Removed from vehicle while unconscious o
undeformed	565	*	UNDEFORMED END WIDTH
under	334	1	6,000 lbs & under
under	821	4	Exited from vehicle under own power
undercarriage	208	9	(U) Undercarriage
undercarriage	211	9	(U) Undercarriage
undercarriage	359	4	Undercarriage
undercarriage	514	21	U - Undercarriage
undercarriage	526	21	U - Undercarriage
undercarriage	1015	511	Undercarriage
underride	351	*	FRONT OVERRIDE/UNDERRIDE
underride	352	*	REAR OVERRIDE/UNDERRIDE
undetermined	707	41	Door/undetermined location
undetermined	711	41	Door/undetermined location
undetermined	715	41	Door/undetermined location
undetermined	719	41	Door/undetermined location
undetermined	723	41	Door/undetermined location
undetermined	727	41	Door/undetermined location
undetermined	731	41	Door/undetermined location
undetermined	735	41	Door/undetermined location
undetermined	739	41	Door/undetermined location
undetermined	743	41	Door/undetermined location
undetermined	750	10	Undetermined location
unenclosed	814	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	348	*	TOWED TRAILING UNIT
unit	354	61	Single unit straight truck (4,536 kgs <
unit	909	2	Yes - blood given (specify units)
unknown make	307	99	Unknown make
unlisted	707	98	Intrusion of exterior unlisted component
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)
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	357	3	On shoulder - unpaved
unspecified	1009	9	Unspecified

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
untreatable	112	6	Maximum (untreatable) injury
untreatable	407	6	Maximum (untreatable) injury
untreatable	911	6	Maximum (untreatable) injury
untreatable	1014	6	Maximum (untreatable)
uphill	391	2	Uphill grade (> 2%)
upper	707	35	Door/forward upper quadrant
upper	711	35	Door/forward upper quadrant
upper	715	35	Door/forward upper quadrant
upper	719	35	Door/forward upper quadrant
upper	723	35	Door/forward upper quadrant
upper	727	35	Door/forward upper quadrant
upper	731	35	Door/forward upper quadrant
upper	735	35	Door/forward upper quadrant
upper	739	35	Door/forward upper quadrant
upper	743	35	Door/forward upper quadrant
upper	750	5	Upper half of rim/spoke
upper	824	4	Upper anchorage separated
upper	825	1	No upper anchorage adjustment for manual
upper	1009	7	Upper Extremity
upper	1010	7	Superior/upper
upper	1015	73	Left forward upper quadrant
upper	1019	1	A - Arm (upper)
upright	825	2	In full upright position
upright	887	24	Moved to upright position
uprooted	380	5	Uprooted tree
urogenital	1021	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	354	14	Compact utility (includes Jeep CJ-2 thru
u-turn	382	12	Making U-turn
van	207	21	Large van (<= 4,536 kgs GVWR)
van	210	21	Large van (<= 4,536 kgs GVWR)
van	309	6	Station Wagon (excluding van and truck b
van	354	6	Station Wagon (excluding van and truck b
van	358	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	884	9	Box mounted seat (i.e., van type)
vein	1021	1	A - Arteries - veins
vent	560	6	Vent / emission recovery
vent	561	6	Vent / emission recovery
ventral	1010	5	Anterior/front/ventral
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	1004	*	VERSION NUMBER
vertebrae	1021	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

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Item	Var	CV	Variable Name or Code Value
vertical	713	1	Vertical
vertical	717	1	Vertical
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	1011	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 - CHARACTER #11
vin	322	*	VIN - CHARACTER #12
vin	323	*	VIN LENGTH
vin	324	*	VIN MODEL YEAR
vin	325	*	VIN MAKE
vin	326	*	VIN MODEL CARS
vin	327	*	VIN BODY TYPE
vin	328	*	VIN TYPE OF VEHICLE
vin	329	*	VIN ROOF
vin	330	*	VIN OPTIONAL ROOF 1
vin	331	*	VIN OPTIONAL ROOF 2
vin	332	*	VIN VEH WEIGHT - CAR
vin	334	*	VIN TRUCK WEIGHT CODE
vin	336	*	VIN FRONT WHEEL DRIVE
vin	337	*	VIN FOUR WHEEL DRIVE
vin	338	*	VIN RESTRAINT TYPE
vin	340	*	VIN ANTILOCK BRAKES
vin	341	*	VIN CARBURETION
vin	342	*	VIN FUEL CODE
vina	333	*	VINA SERIES TRUCK
volkswagen	307	30	Volkswagen
volvo	307	51	Volvo
wagon	207	16	Utility station wagon (<= 4,536 kgs GVWR
wagon	210	16	Utility station wagon (<= 4,536 kgs GVWR
wagon	309	6	Station Wagon (excluding van and truck b
wagon	354	6	Station Wagon (excluding van and truck b
walk-in	309	22	Step van or walk-in van (<= 4,536 kgs GV
walk-in	354	22	Step van or walk-in van (< 4,536 kgs GVW
walk-in	1008	4	Private physician - walk-in or emergency
wall	209	58	Wall
wall	358	58	Wall
wall	507	58	Wall
wall	519	58	Wall
wall	1015	411	Wall mounted head rest (used behind whee
warning	396	6	Warning sign (not RR crossing)
water	393	6	Water (standing,moving)

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
water	820	3	Could not exit vehicle due to external c
webbing	824	2	Torn webbing (stretched webbing not incl
webbing	1015	152	Belt restraint webbing/buckle
wednesday	108	4	Wednesday
week	108	*	CRASH DAY OF WEEK
weight	332	*	VIN VEH WEIGHT - CAR
weight	334	*	VIN TRUCK WEIGHT CODE
weight	346	*	VEHICLE CURB WEIGHT
weight	347	*	VEHICLE CARGO WEIGHT
weight	353	*	WEIGHT - OTHER VEHICLE
weight	810	*	WEIGHT
wet	393	2	Wet
wheel	335	*	# WHEELS/# DRIVE WHEELS
wheel	336	*	VIN FRONT WHEEL DRIVE
wheel	337	*	VIN FOUR WHEEL DRIVE
wheel	340	2	4 wheel standard
wheel	359	1	Wheels / tires
wheel	383	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	852	1	Steering wheel hub
wheel	859	1	Steering wheel hub
wheel	866	1	Steering wheel hub
wheel	873	1	Steering wheel hub
wheel	1015	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	1015	407	Wheelchair tie-downs
white	404	1	White
white	811	1	White
whole	1010	0	Whole region
whole	1011	1	Whole Area
whole	1019	15	O - Whole body
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

CDS 2009 Index (continued)

Item	Var	CV	Variable Name or Code Value
window	731	17	Window frame
window	735	17	Window frame
window	739	17	Window frame
window	743	17	Window frame
window	815	4	Sitting sideways or turned to talk with
window	1015	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
windshield	731	15	Windshield
windshield	735	15	Windshield
windshield	739	15	Windshield
windshield	743	15	Windshield
windshield	817	1	Windshield
windshield	1015	1	Windshield
wires	820	3	Could not exit vehicle due to external c
working	350	3	Working motor vehicle
working	902	*	WORKING DAYS LOST
worn	851	2	Object worn by occupant
worn	881	*	EYEWEAR WORN
wrist	1019	23	W - Wrist - hand
x-rays	1008	3	Emergency room records only (including a
yamaha	307	76	Yamaha
year	107	*	CRASH YEAR
year	306	*	MODEL YEAR
year	324	*	VIN MODEL YEAR
year	807	0	Up to one year
yield	396	3	Yield sign
yielding	367	9	Yielding object
yugo	307	57	Yugo
zip	403	*	DRIVER'S ZIP CODE
zone	396	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	354	2	2-door sedan, hardtop, coupe
3-door	309	3	3-door/2-door hatchback
3-door	354	3	3-door/2-door hatchback
4-door	309	4	4-door sedan, hardtop
4-door	354	4	4-door sedan, hardtop
5-door	309	5	5-door/4-door hatchback
5-door	354	5	5-door/4-door hatchback

CDS

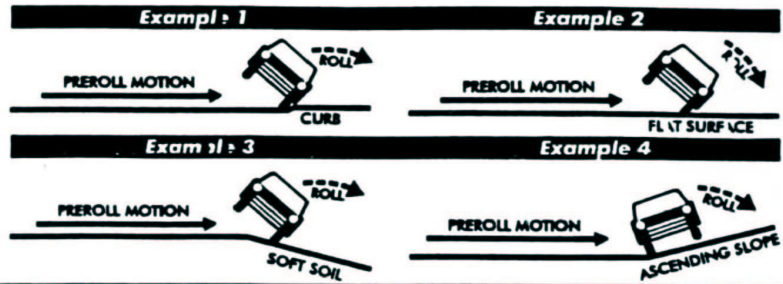
APPENDIX A

Code Values for Variable 356

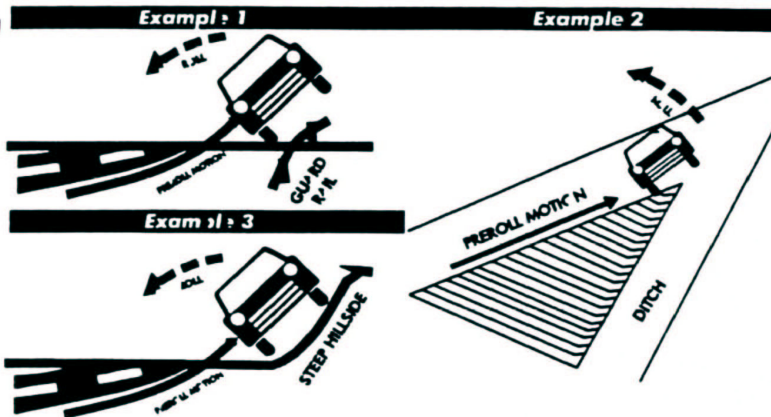
"Rollover Initiation Type"

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.



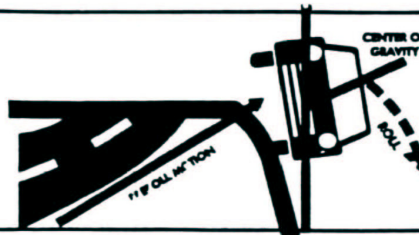
03 Turn Over: Centrifugal forces from a sharply turning or rotating vehicle produce a rollover moment when resisted by surface friction.



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.

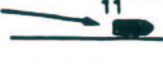
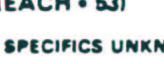
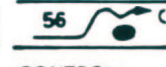
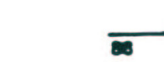


CDS

APPENDIX B

Code Values for Variable 378

"Crash Type"

Category	Configuration	ACCIDENT TYPES (Includes Intent)					
I Single Driver	A Right Roadside Departure				04 SPECIFICS OTHER	05 SPECIFICS UNKNOWN	
	B Left Roadside Departure				09 SPECIFICS OTHER	10 SPECIFICS UNKNOWN	
	C Forward Impact					15 SPECIFICS OTHER	16 SPECIFICS UNKNOWN
II Same Trafficway Same Direction	D Rear-End					(EACH • 32) SPECIFICS OTHER	(EACH • 33) SPECIFICS UNKNOWN
	E Forward Impact					(EACH • 42) SPECIFICS OTHER	(EACH • 43) SPECIFICS UNKNOWN
	F Sideswipe Angle					(EACH • 48) SPECIFICS OTHER	(EACH • 49) SPECIFICS UNKNOWN
III Same Trafficway Opposite Direction	G Head-On					(EACH • 52) SPECIFICS OTHER	(EACH • 53) SPECIFICS UNKNOWN
	H Forward Impact					(EACH • 62) SPECIFICS OTHER	(EACH • 63) SPECIFICS UNKNOWN
	I Sideswipe Angle					(EACH • 66) SPECIFICS OTHER	(EACH • 67) SPECIFICS UNKNOWN
IV Change Trafficway Vehicle Turning	J Turn Across Path					(EACH • 74) SPECIFICS OTHER	(EACH • 75) SPECIFICS UNKNOWN
	K Turn Into Path					(EACH • 84) SPECIFICS OTHER	(EACH • 85) SPECIFICS UNKNOWN
V Intersecting Paths (Vehicle Damage)	L Straight Paths					(EACH • 90) SPECIFICS OTHER	(EACH • 91) SPECIFICS UNKNOWN
VI Miscellaneous	M Backing Etc					96 Other Accident Type 99 Unknown Accident Type 00 No Impact	

